



NEW GENERATION ENERGY

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RD CONGO



Production workshop :SMT



Production workshop :DIP







Production facility



Panasonic placement
machine



GKS Printing
Machine



SPI of
JUTZE Storm





Production facility



Printing
machine
(GKG)



Wave soldering
equipment
(Suneast)



Eli 's split board
machine





Production facility

X-RAY of Unicomp



Lead Free Hot Air Reflow
Oven JTR-10030

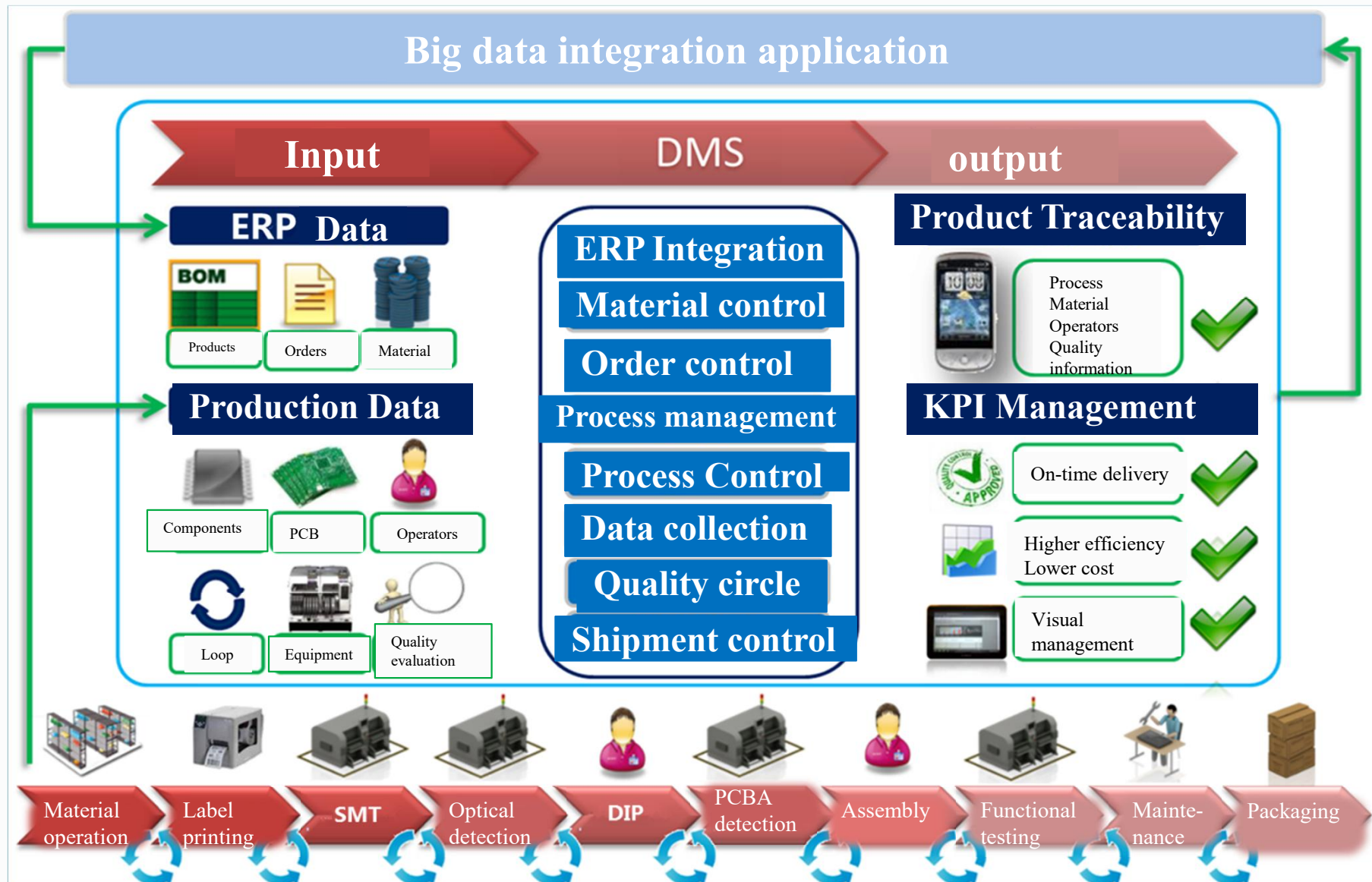


SMT First Article
Inspection System FAI-600

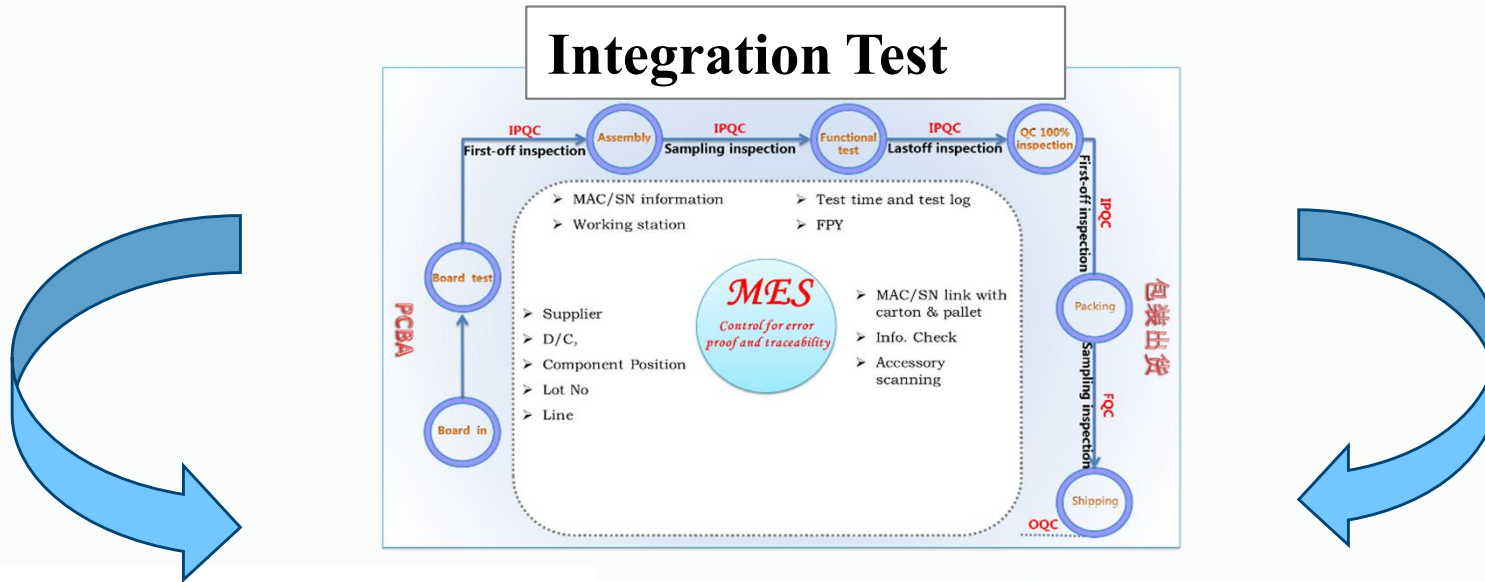




Intelligent manufacturing system

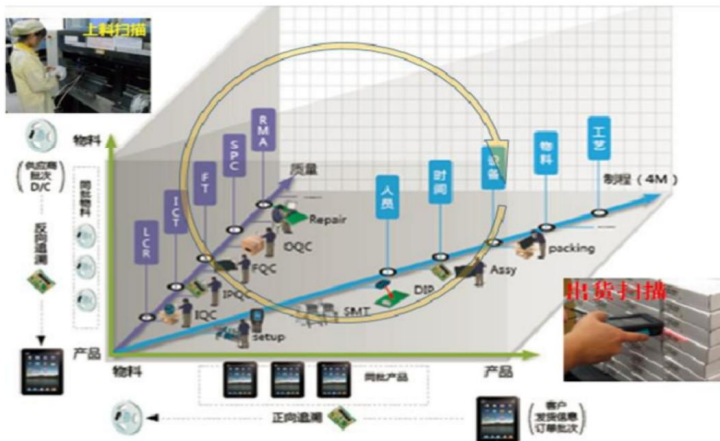


Manufacturing Execution System(MES)

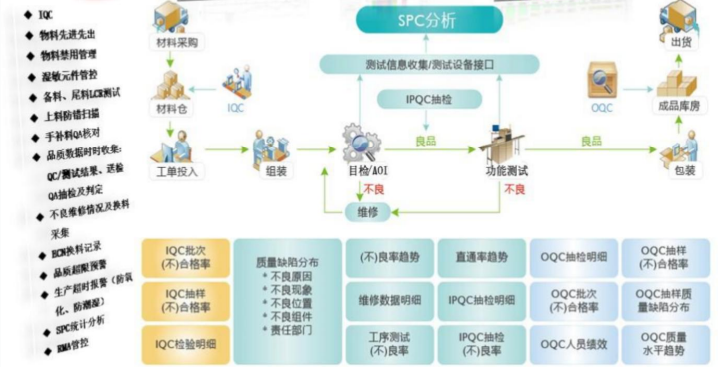


System Tracing back

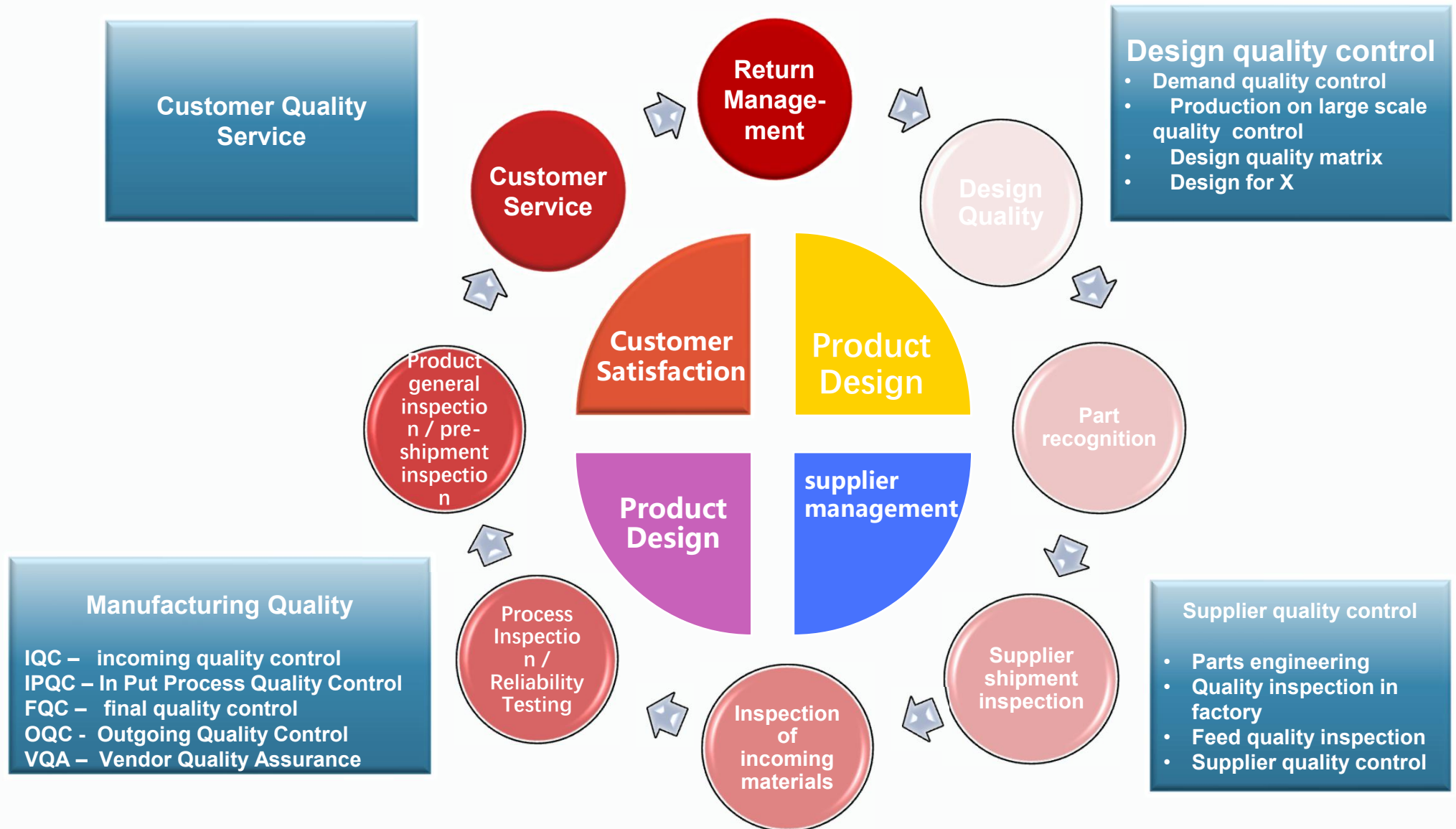
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- ◆ 产品级：产品SN、工单、订单、出货批次、客户、用料信息...
- ◆ 质量级：BOM、ECN、程序...
- ◆ 流程级：工序、人员、设备、治工具、配件...



Quality control



Total Quality Management





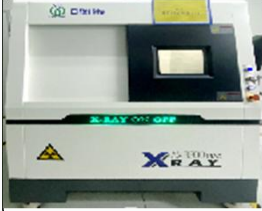
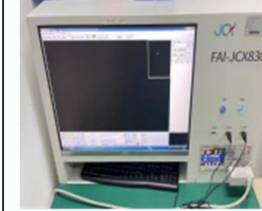
Quality detection devices



withstanding voltage tester		LCR bridge equipment		Insulation resistance test equipment	
Marble test platform		Constant temperature and humidity test chamber		Leakage current tester	
Horizontal insertion force testing machine		Automatic bursting strength testing machine		XRF	
Single-wing drop test machine		Simulation of automobile transportation vibration table		Wire bending test machine (six groups of rocking test machine)	
Salt fog test equipment		Digital caliper		Moisture test instrument	



Quality detection devices

Multimeter		illuminance meter		Intelligent Diode Test Clamp	
Tensometer		Spectroscopic tester		Multifunctional screwdriver	
Antistatic vacuum suction pen		High-definition CCD microscope		Fehling table	
Double-layer shielding line		Time relays / digital electronic counters		X-RAY tester	
Electrostatic bracelet tester		Surface Resistance Meter		First piece tester	



Product introduction



Switch



Router



Optical modem



Server



01

O N E

Switch





Non-network management class



Specification parameters

Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
CS1005-PWR	5*FE	Y	Realtek	RTL8305NB-CG*1+XS2184*1	Non-network management Gigabit switch, 4 POE power supply FE (LAN port) + 1 FE (uplink port), PoE power supply 60W, single port up to 30W (PoE AF / AT protocol power)
CS1205	5*GE	N	Realtek	RTL8367N	Non-network management switch, 5 GE ports
CS1205-PWR	5*GE	Y	Realtek	RTL8367N+MP3924GU	Non-network management switch, 4 POE power supply GE (LAN port) + 1 GE (uplink port), PoE power supply 60W, single port up to 30W (PoE AF / AT protocol power)
ICS1205	5*GE	N	Realtek	RTL8367NI	Non-network management switch, 5 GE ports
ICS1205-PWR	5*GE	Y	Realtek	RTL8367NI	Non-network management switch, 4 POE power supply GE (LAN port) + 1 GE (uplink port), PoE power supply 60W, single port up to 30W (PoE AF / AT protocol power)
CS1208	8*GE	N	Realtek	RTL8370N*1	Non-network management switches, 8 GE
CS1208-PWR	8*GE	Y	Realtek	RTL8370N*1 + RTL8238B*1	Non-network management switch, 8 POE power supply GE, PoE power supply 60W, single port up to 30W (PoE AF / AT protocol power)
CS1209-PWR	8*GE + 1*SFP	Y	Realtek	RTL8370M+RTL8211F+RTL8238B	Non-network management switch, 8 POE power supply GE + 1 SFP (1G), PoE power supply 60W, single port up to 30W (PoE AF / AT protocol power)



Non-network management class



Specification parameters



Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
ICS1208	8*GE	N	Realtek	RTL8370NI	Non-network management switches, 8 GE
ICS1208-PWR	8*GE	Y	Realtek	RTL8370NI	Non-network management switch, 8 POE power supply GE, PoE power supply 90W, single port up to 30W (PoE AF / AT protocol power)
CS1210F	8*GE + 2*SFP	N	Realtek	RTL8382L*1	Non-network management switch, 8 GE + 2 SFP (1G)
CS1218F	16*GE + 2*SFP	N	Realtek	RTL8382L*1+RTL8218D*1	Non-network management switch, 16 GE + 2 SFP (1G)
CS1226F	24*GE + 2*SFP	N	Realtek	RTL8382L*1+RTL8218D*2	Non-network management switch, 24 GE + 2 SFP (1G)
CS1226F-PWR	24*GE + 2*SFP	Y	Realtek	RTL8382L+2*RTL8218D	Non-network management switch, 24 POE power supply GE + 2 SFP (1G), PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)



Network management class



Specification parameters



Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
CS5010F	8*GE + 2*SFP	N	Realtek	RTL8380M	Network management switch, 8 GE + 2 SFP (1G)
CS5010F-PWR	8*GE + 2*SFP	Y	Realtek	RTL8380M+RTL8238B	Network management switch, 8 POE power supply GE + 2 SFP (1G) PoE power supply 150W, single port up to 30W (PoE AF / AT protocol power)
CS5012X	8*GE + 4*SFP+	N	MARVELL	98DX225S*1+88E1680*1	Network management switch, 8 GE + 4 SFP + (10G)
CS5012X-HPWR	8*GE + 4*SFP+	Y	MARVELL	98DX225S*1+88E1680*1+RTL8214FC*1+RTL8238B*1	Network management switch, 8 POE power supply GE + 4 SFP + (10G), PoE power supply 120W, single port up to 30W (PoE AF / AT protocol power)
ICS5012F	8*GE + 4*SFP	N	Realtek	RTL8382MI+RTL8214FC	Network management switch, 8 GE + 4 SFP + (10G)
CS5026F	24*GE + 2*SFP	N	Realtek	RTL8382M*1+RTL8218D*2	Network management switch, 24 GE + 2 SFP (1G)



Network management class



Specification parameters

Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
CS5026F-HPWR	24*GE + 2*SFP	Y	Realtek	RTL8382M+2*RTL8218D+3*RTL8238B	Network management switch, 24 POE power supply GE + 2 SFP (1G) PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)
CS5028F	24*GE + 4*SFP	N	Realtek	RTL8382M*1+RTL8218D*2+RTL8214FC*1	Network management switch, 24 GE + 4 SFP (1G)
CS5028F-HPWR	24*GE + 4*SFP	Y	Realtek	RTL8382M*1+RTL8218D*2+RTL8214FC*1+RTL8238B*3	Network management switch, 24 POE power supply GE + 4 SFP (1G), PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)
CS5028X	24*GE + 4*SFP+	N	Realtek	RTL9301*1+RTL8218D*3	Network management switch, 24 GE + 4 SFP + (10G)
CS5028X1	24*GE + 4*SFP+	N	MARVELL	98DX225S*1+88E1680*3	Network management switch, 24 GE + 4 SFP + (10G)
CS5028X1-HPWR	24*GE + 4*SFP+	Y	MARVELL	98DX225S*1+88E1680*3+RTL8214FC*1+RTL8238B*3	Network management switch, 24 POE power supply GE + 4 SFP + (10G), PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)
ICS5028F	24*GE + 4*SFP	N	Realtek	RTL8391MI+RTL8214FC	Network management switch, 24 GE + 4 SFP (1G)
CS5228X	24*GE + 4*SFP+	N	Realtek	RTL9301M+3*RTL8218E	Network management switch, 24 GE + 4 SFP + (10G)
CS5228X-HPWR	24*GE + 4*SFP+	Y	Realtek	RTL9301M+3*RTL8218E+3*RTL8238B	Network management switch, 24 POE power supply GE + 4 SFP + (10G) PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)



Network management class



Specification parameters

Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
CS1718F	16*GE + 2*SFP	否	Realtek	RTL8328L+RTL8218D	Network management switch, 16 GE ports + 2 SFPs
CS1726F	24*GE + 2*SFP	否	Realtek	RTL8328L+2*RTL8218D	Network management switch, 24 GE ports + 2 SFPs
CS1726F-HPWR	24*GE + 2*SFP	是	Realtek	RTL8328L+2*RTL8218D+3*RTL8238B	Network management switch, 24 POE power supply GE + 2 SFP, PoE power supply 370W, single port up to 30W (PoE AF / AT protocol power)
CS5528X	24*2.5GE + 4*SFP+	否	Realtek	RTL9313+6*RTL8224	Network management switch, 24 2.5G ports + 4 SFP + (10G)
CS5054X	48*GE + 6*SFP+	否	Realtek	RTL9311*1+RTL8218D*6	Network management switch, 48 GE + 6 SFP + (10G)
CS5054X1	48*GE + 6*SFP+	否	Centec	CTC7132*1+YT8168*6+YT8521*1	Network management switch, 48 GE + 6 SFP + (10G)
CS5254X	48*GE + 6*SFP+	否	Realtek	RTL9311+6*RTL8218E	Network management switch, 48 GE + 6 SFP + (10G)
CS5254XF-HPWR	48*GE + 6*SFP+	是	Realtek	RTL9311+6*RTL8218E+6*RTL8238B	Network management switch, 48 POE power supply GE + 6 SFP + (10G), PoE power supply 750W, single port up to 30W (PoE AF / AT protocol power)
CS5236X	8*GE+24SFP + 4*SFP+	否	Realtek	RTL9311+RTL8218E+3*RTL8214QF	Network management switch, 8 GE + 24SFP + 4 SFP + (10G)
CS5254F	48*SFP+6*SFP+	否	Realtek	RTL9311+12*RTL8214QF	Network management switch, 48 SFP + 6 SFP + (10G)

02

T W O

Router





Dual-band intelligent AX1800 wireless router



Specification parameters



Item	Detailed configuration
Chip scheme	MT7621A+7915DA+7975DN
Memory	2Gb_DDR、1Gb_FLASH
Network interface	One 10 / 100 / 1000Mbps WAN port + three 10 / 100 / 1000Mbps LAN ports
Wireless transmission rate	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 1201Mbps ;
Network standards	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Antenna type	Four 5dBi external omnidirectional antennas
Wireless security	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Power supply	AC 100-240V, 50/60Hz 0.5A DC 12V, 1A
Working temperature	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working relative humidity	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



Dual-band intelligent AX3000 wireless router



Specification parameters



Item	Detailed configuration
Chip scheme	MT7981B+MT7976C
Memory	2Gb_DDR、1Gb_FLASH
Network interface	One 10 / 100 / 1000Mbps WAN port + three 10 / 100 / 1000Mbps LAN ports
Wireless transmission rate	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 2402Mbps ;
Network standards	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Antenna type	Four 5dBi external omnidirectional antennas + one on-board antenna
Wireless security	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Power supply	AC 100-240V, 50/60Hz 0.5A DC 12V, 1A
Working temperature	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working relative humidity	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



wireless router



Specification parameters



Model	Main chip brand	Solving scheme	Detailed product description
WR1200S	Media Tek	MT7621A+MT7612EN+MT7603E	Maximum rate : 1167Mb ; 2.4G : 300M ; 5G : 867M ; 1 Gigabit WAN port + 2 Gigabit LAN ports ; 4 antennas ; memory : 128MB ; flash : 128MB
WR1200	Realtek	RTL8197FS/FH + RTL8812BR+RTL8376RB	Maximum rate : 1167Mb ; 2.4G : 300M ; 5G : 867M ; 1 Gigabit WAN port + 2 Gigabit LAN ports ; 4 antennas ; memory : 128MB ; flash : 16MB
MESH1200G	Qualcomm	QCA9563	Maximum rate : 1167Mb ; 2.4G : 300M ; 5G : 867M ; 2 Gigabit + 1 USB2.0 ; 2 built-in antennas
MESH1201G	Qualcomm	QCA9531	Maximum rate : 1167Mb ; 2.4G : 300M ; 5G : 867M ; 2 terabit + 1 USB2.0 ; 2 built-in antennas
MM1201	Qualcomm	QCA9563	Maximum rate : 1167Mb ; 2.4G : 300M ; 5G : 867M ; 2 Gigabit + 1 USB2.0 ; 4 built-in antennas
MESH1350G	Qualcomm	QCA9563	Maximum rate : 1317Mbps ; 2.4G : 450M ; 5G : 867M ; 2 Gigabit + 1 USB2.0 ; 5 built-in antennas
WR1800K	Media Tek	MT7621A+MT7905DA+MT7975DN	Maximum rate : 1774Mb ; 2.4G : 574M ; 5G : 1201M ; 1 Gigabit WAN port + 3 Gigabit LAN ports ; 4 antennas ; support WPS ; memory : 256MB ; flash : 128MB
WR3000G	Media Tek	MT7981BA+MT7976CN+MT7531A	Maximum rate : 2976Mb ; 2.4G : 574M ; 5G : 2402M ; 1 Gigabit WAN port + 3 Gigabit LAN ports ; 4 external antennas + 1PCB on-board antennas ; memory : 256MB ; flash : 128MB
WR3000P	Qualcomm	IPQ5000+QCN6102+QCA8337	Maximum rate : 2976Mb ; 574M ; 5G : 2402M ; 1 Gigabit WAN port + 3 Gigabit LAN ports ; 4 external antennas ; memory : 256MB ; flash : 128MB



CPE



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
G4302K	Media Tek	MT7628KN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 4, management : TR-069
T-CPE300K	Media Tek	MT7628KN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 3, management : TR-069
T-CPE301K	Media Tek	MT7628NN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 2, management : TR-069
T-CPE303K	Media Tek	MT7628NN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 4, RJ11 * 1, management : TR-069
T-QC300K	Media Tek	MT7628KN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 2, management : TR069
UFI	Media Tek	MT7628KN	Wireless rate : 300Mbps, LTE : CAT1, USB interface, management : TR069
T-CPE305K	Media Tek	MT7628KN	Wireless rate : 300Mbps, LTE : CAT4, Gigabit RJ45 * 4, RJ11 * 1, Management : TR069
XBR100	Media Tek	MT7628NN	Wireless rate : 300Mbps, LTE : CAT4, 100Mbit RJ45 * 5, management : TR069



CPE



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
T-CPE1207K	Media Tek	MT7621A	Wireless rate : 1200Mbps, LTE : CAT6, Gigabit RJ45 * 4, Management : TR-069
T-CPE1206K	Media Tek	MT7621A	Wireless rate : 1200Mbps, LTE : CAT6, Gigabit RJ45 * 4, RJ11 * 1, Management : TR-069
T-CPE1201K	Media Tek	MT7621A	Wireless rate : 1200Mbps, LTE : CAT4, 100Mbit RJ45 * 3, RJ11 * 1, USB * 1, management : TR-069
T-CPE1200K	Media Tek	MT7621A	Wireless rate : 1200Mbps, LTE : CAT4, Gigabit RJ45 *, RJ11 * 1, Management : TR-069
T-CPE1801K	Media Tek	MT7621A	Wireless rate : 1800Mbps, 5G (SA / NSA), LTE, Memory : 256MB, Flash : 128MB, Other : Zigbee, Mesh, RJ11 * 1, Management : TR069
T-CPE3600G	Qualcomm	IPQ8072A	Wireless rate : 3600Mbps ; 5G (SA / NSA), LTE, 1GB DDR4 / 8GB EMMC, other : Zigbee, Mesh, RJ11 * 1, management : TR069



Outdoor bridge



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
CPE300K	Media Tek	MT7628KN	Wireless rate : 300Mbps, wireless protocol : 802.11b / g / n, transmit power : 17dBm, 100M RJ45 * 2, antenna gain : 7dBi, wide transmission distance : 500M, power supply : 24V 0.5A PoE + DC
AP5300-M	Media Tek	MT7628KN	Wireless rate : 300Mbps, wireless protocol : 802.11b / g / n, transmit power : 20dBm, 100M RJ45 * 2, antenna gain : 8dBi, transmission distance : 300M, power supply : 24V 0.5A PoE + DC
CPE301G	Qualcomm	QCA9531	Wireless rate : 300Mbps, wireless protocol : 802.11b / g / n, transmit power : 17dBm, 100M RJ45 * 2, antenna gain : 7dBi, transmission distance : 300M, power supply : 24V 0.5A PoE + DC
AP5302	Qualcomm	QCA9344	Wireless rate : 300Mbps, wireless protocol : 802.11a / n / ac, transmit power : 20dBm, 100MHz RJ45 * 1, antenna gain : 13dBi, transmission distance : 3KM, power supply : 24V 0.5A PoE + DC
CPE450K	Media Tek	MT7628KN	Wireless rate : 450Mbps, wireless protocol : 802.11a / n / ac, transmit power : 20dBm, 100MHz RJ45 * 2, antenna gain : 13dBi, transmission distance : 2KM, power supply : 24V 0.5A PoE + DC
CPE901K	Media Tek	MT7621A	Wireless rate : 900Mbps, wireless protocol : 802.11a / n / ac, transmit power : 23dBm, gigabit RJ45 * 2, antenna gain : 12dBi, transmission distance : 2KM, power supply : 24V 1A PoE + DC



RP repeater



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
mini-repeater	Media Tek	MT7628KN	Wireless rate : 300Mbps, 100Mbps RJ45 * 1, built-in antenna gain 2dBi
JRT300K	Media Tek	MT7628KN	wireless rate : 300Mbps, 100Mbps RJ45 * 2, external antenna gain 3dBi
JRT1200K	Media Tek	MT7620DA	Wireless rate : 1200Mbps, 100Mbps RJ45 * 2, external antenna gain 3dBi



Embedded wall-type Access Points



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
MS100	Media Tek	MT7628KN	Wireless rate : 300Mbps, wireless power : 20dBm, 100M RJ45 * 2, 1 * RJ11, 2.4g : 2X2, power supply : PoE 802.3af
MS1200K	Media Tek	MT7620DA	Wireless rate : 1200Mbps, wireless power : 20dBm, 100MHz RJ45 * 1, Gigabit RJ45 * 1, 2.4g & 5.8g : 2X2, power supply : PoE 802.3af
MS1201K	Media Tek	MT7621DA	Wireless rate : 1200Mbps, wireless power : 16dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3af
MS1200S	Siflower	SF19A2890	Wireless rate : 1200Mbps, wireless power : 17dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3af
MS1800K	Media Tek	MT7621A	Wireless rate : 1800Mbps, wireless power : 20dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3af



Outdoor Wireless Access Points



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
AP3300	Qualcomm	QCA9531	wireless rate : 300Mbps, wireless power : 20dBm, 100M RJ45 * 1, 2.4g : 2X2, power supply : PoE 802.3af
AP3750	Qualcomm	QCA9531	Wireless rate : 750Mbps, wireless power : 20dBm, 100MHz RJ45 * 1, 2.4g : 2X2, 5.8g : 1X1, power supply : PoE 802.3af
AP31200	Qualcomm	QCA9563	Wireless rate : 1200Mbps, wireless power : 26dBm, gigabit RJ45 * 1, 2.4g & 5.8g : 2X2, power supply : PoE 802.3at
AP31800K	Media Tek	MT7621A	Wireless rate : 1200Mbps, wireless power : 26dBm, gigabit RJ45 * 1, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3at



Ceiling adsorption type Access Points



Specification parameters

Model	Main chip brand	Solving scheme	Detailed product description
XD301G	Qualcomm	QCA9531	Wireless rate : 300Mbps, wireless power : 20dBm, 100M RJ45 * 2, 2.4g : 2X2, power supply : PoE 802,3af + DC
XD300K	Media Tek	MT7628KN	Wireless rate : 300Mbps, wireless power : 20dBm, 100M RJ45 * 1, 2.4g : 2X2, power supply : PoE 802,3af + DC
XD750G	Qualcomm	QCA9531	wireless rate : 750Mbps, wireless power : 20dBm, 100M RJ45 * 2, 2.4g : 2X2, 5.8g : 1X1, power supply : PoE 802,3af + DC
XD1201G	Qualcomm	QCA9531	Wireless rate : 1200Mbps, wireless power : 26dBm, 100M RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3af + DC
XD1202G	Qualcomm	QCA9563	Wireless rate : 1200Mbps, wireless power : 26dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3at + DC
XD1203G	Qualcomm	IPQ4019	Wireless rate : 1200Mbps, wireless power : 26dBm, gigabit RJ45 * 2, 2.4G & 5.8G : 2 * 2, power supply : PoE 802.3at + DC
XD1800K	Media Tek	MT7621A	Wireless rate : 1800Mbps, wireless power : 20dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3at + DC
XD2100G	Qualcomm	IPQ4019	Wireless rate : 2100Mbps, wireless power : 26dBm, gigabit RJ45 * 2, 2.4G : 2 * 2 / 5.8G : 2 * 2, power supply : PoE 802.3at + DC
XD3600G	Qualcomm	IPQ8072A	Wireless rate : 3600Mbps, Wireless power : 26dBm, Gigabit RJ45 * 2, Power supply : PoE 802.3at + DC



Access Controller



Specification parameters

Model	Port situation	PoE or not	Main chip brand	Solving scheme	Detailed product description
CS5305	5*GE	Y	Media Tek	MTK7621A	Access Controller, 4 POE power supply GE (LAN port) + 1 GE (WAN port), PoE power supply 60 W, single port up to 30 W (PoE AF / AT protocol power)
2005E	5*GE	Y	Media Tek	MTK7621A	Access Controller, 4 POE power supply GE (LAN port) + 1 GE (WAN port), PoE power supply 65 W, single port up to 30 W (PoE AF / AT protocol power)
2009E	9*GE	Y	Media Tek	MTK7621A	Access Controller, 8 POE power supply GE (LAN port) + 1 GE (WAN port), PoE power supply 120 W, single port up to 30 W (PoE AF / AT protocol power)
ER300	5*GE	N	Media Tek	MTK7621A	Access Controller, 3 GE (LAN port) + 2 GE (WAN port)
ER500	6*GE	N	Media Tek	MTK7621A	Access Controller, 4 GE (LAN port) + 2 GE (WAN port)
ER1000	6*GE +2SFP	N	Media Tek	MTK7621A	Access Controller, 4 GE (LAN port) + 2 GE (WAN port) + 2SFP

03

T H R E E

Server





Dragon Scale RH211P0-02 FT2000+/64 single-channel server



Specification parameters



Item	Detailed configuration
CPU	1 Phytium FT-2000 + / 64CPU, frequency : 2.2GHz, 64 cores, TDP : 100W
Memory	8 DDR4 DIMM slots, a total of 8 memory channels support 8 DDR4 UDIMMs / RDIMMS / LRDIMMs, memory frequency support 1866 / 2133 / 2400 / 2666MHz support a single capacity of 8GB, 16GB, 32GB, 64GB, 128GB maximum support 1.0TB system memory
Storage	Integrated 6Gb / s SATA controller ; optional support 12Gb / s SAS HBA, and 12Gb / s SAS RAID controller, support a variety of specifications of the hard disk configuration, hard disk support hot swap : Configurable 12 3.5-inch hard disk Configurable 25 2.5-inch hard disk support built-in 2 PCIe M.2 (80 / 110mm), 2 built-in 2.5-inch hard disk (optional), 2 rear 2.5-inch hard disk
PCI-E extension	Supports up to 7 PCIExpress 3.0 expansion slots, including 1 dedicated card slot and 6 standard expansion slots
Network	Integrated 4 1GbE, support all kinds of network expansion card
Management	On-board BMC management module supports remote management and control, such as IPMI2.0, KVM OverIP, SOL, SNMP, etc. Provides a 1Gbps RJ45 management, network port (support NCSI function) front power supply, UID, fan alarm, network indicator, hard disk indicator
Security	Chassis open cover intrusion detection
Power supply	1 or 2 power modules, support 1 + 1 redundancy, support hot swappable optional 550W / 800W power
Port	Front : 1 VGA, 2 USB3.0 Post : 1 D-SubVGA, 4 USB3.0, 1 RJ45 management network port, 4 RJ45 Ethernet ports, serial port
System fan	3 / 4 8038 system fans for hot swapping
Size	2U frame type, 447mm wide × 87mm high × 670mm deep (without hanging ear 650mm)
Temperature	Standard operating temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transport storage temperature : -40 ° C to 65 ° C
Humidity	Working mix • 10 % to 80 % (non-condensable storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Kirin, UOS Please consult the sales staff for specific version.



Specification parameters

Item	Detailed configuration
CPU	FT2000 + / 64, frequency : 2.2GHZ, power consumption : 100W
Memory type	Supports 8 DDR4 memory, 1866 / 2133 / 2400 / 2666 MHZ ECC RDIMM / UDIMM / LR-DIMM is supported.
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 1.0TB
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers
Storage	Data disk : 36 SAS / SATA 3.5-inch hard disks, (front 24 disks / rear 12 disks). Note : compatible with 2.5-inch SAS / SATA hard disk system disk : rear 2 SAS / SATA 2.5'OS disks support built-in 2 M.2 (2280 / 22110MM NVME)
PCI-E extension	Up to seven PCI EXPRESS 3.0 expansion slots (including one dedicated slot) PCIE GEN3 X16 * 1PCIE GEN3 X8 * 5 secure dedicated slots PCIE GEN3 X4 * 1
Network	Onboard 1 1GBE RJ45 BMC management network port motherboard integrates 4 1GBE data network ports to support various standard PCIE network expansion cards.
Management	On-board IBMC management module, support IPMI, SOL, KVM OVER IP, system operation log collection and fault diagnosis function, provide a 1GbPS, RJ45 management network port, network port (support NCSI function) front power supply, UID, system status, fan alarm, network indicator light.
Security	Optional TCM security module Optional chassis open cover intrusion detection
Power supply	Supports up to 2 CRPS power modules, 1 + 1 redundancy, hot-swappable optional 800W / 1300W power
Port / key	Front port : 1 VGA, 2 USB3.0 ; front key : power supply, UID rear port : 1 VGA, 4 USB3.0, 1 RJ45 management network port, 4 RJ45 Ethernet ports, serial port rear key : BMC RESET
Size	Frame type 4U, width 448MM × height 175MM × depth 660MM, (680MM, including hanging ear)
Weight	The full configuration net weight is about 50 KG, and the full configuration includes a guide rail, accessories and packaging of about 60 KG.
Working temperature	0℃-40℃
Working relative humidity	0%-90%
Operating system support	Galaxy Kirin, UOS Pleaseconsult the sales staff for specific version.



Phytium



Dragon scale RS511P0-02

FT2000 + / 64 single-channel storage server





Dragon scale RI511P0 4U single AI server

Item	Detailed configuration
CPU	Phytium FT2000 / 64 core, the number of 1
Hard disk	The front 4 3.5 / 2.5 inch SATA / SAS hot-swappable hard disks are placed up to 4 2.5 inch hot-swappable hard disks (SAS3.0 / SATA3.0) or 4 NVMe (optional).
Memory	Supports 8 channels DDR4 memory slots, maximum support memory frequency is 3200MHz, maximum memory capacity is 1TB
VGA display	BMC integrated display controller
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels
Network controller	On-board Gigabit Ethernet controller
PCIe extension	PCIe Switch extends 10 PCIe slots, supports up to 10 full-height full-length dual-width acceleration cards, and supports up to 7 single-width devices on the motherboard.
External and on-board interface	Front two USB 3.0 interfaces, rear four USB 3.0 interfaces, rear four Gigabit Ethernet ports, rear one remote management dedicated Ethernet port, rear one VGA interface, rear one serial port.
	Onboard 2 PCIe3.0x16 slots, onboard 4 PCIe3.0x8 slots, onboard 1 Mini PCIe interface (PCIe and USB signal) onboard 4 SATA3.0 interfaces, onboard 2 OCulink interfaces, onboard 1 M.22280 interface, support cache acceleration.
AI / GPU card	Support Baidu, Cambrian, bit continent, flint, the number of days, Zhixin, landing and other domestic AI card.
Power supply	The standard 1200W 3 + 1 redundant power supply, NVMe model configuration power supply for 1300W 3 + 1 redundancy.
Server Management	The on-board BMC management module provides a dedicated Ethernet port for remote management, and supports KVM OverIP, remote switching, state monitoring and other functions.
Firmware	Domestic independent controllable safety BIOS / BMC.
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems
Physical size (H * W * D)	176.5 × 433 × 790mm, 19-inch cabinet support



Dragon Scale RH211P0-00 2U computing server

Item	Detailed configuration
CPU	Phytium FT2000 + / 64 core
Hard disk	Preposition 8 3.5 / 2.5 inch SATA / SAS hot-swappable hard disks, built-in 2 2.5 inch system hard disks, support system disks to form RAID1, protect the operating system security.
Memory	Support 8-channel DDR4 RDIMM memory slot, the maximum operating frequency up to 2933MHz, the maximum memory capacity up to 1TB.
Internet interface	On-board Gigabit Ethernet controller, supports expansion of 10 Gigabit Ethernet card
Hard disk interface	Four SATA3.0 interfaces and one M.22280 interface on board support cache acceleration. Onboard 2 Mini SAS 3.0 interfaces and 4 Oculink interfaces.
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels.
Optical drive	Built-in DVD drive (optional)
Graphics card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, supporting KVM Overlp, remote switching, state monitoring and other functions.
PCIe extension	There are two PCIe3.0 × 16 slots (× 16Lane) on board, one PCIe3.0 × 16 slot (× 8Lane) on board (only supported by SV FT2064-1906 motherboard), four PCIe3.0 × 8 slots (× 8Lane) on board, and one MiniPCIe interface (USB and PCIe signal) on board.
USB	There are 4 USB3.0 ports in the rear, 2 USB2.0 ports in the front, 2 USB2.0 and USB3.0 pin interfaces on the board.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems.



Phytium

Dragon scale RH211P0-01

2U Storage Server



Phytium

Dragon scale RS211P0

2U All Solid State Storage Server

Item	Detailed configuration
CPU	Phytium FT2000+/64 core
Hard disk	Front 12 3.5 / 2.5 inch SATA / SAS hot - swap hard disk. Built-in two 2.5-inch system hard disk, support system disk RAID1, to protect the operating system security
Memory	Support 8-channel DDR4 RDIMM memory slot, the maximum operating frequency up to 2933MHz, the maximum memory capacity up to 1TB.
Internet interface	On-board Gigabit Ethernet controller, supports expansion of 10 Gigabit Ethernet card
Hard disk interface	Four SATA3.0 interfaces and one M.22280 interface on board support cache acceleration. Supports 2 onboard Mini SAS 3.0 interfaces or 4 onboard Oculink interfaces
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels
Optical drive	Built-in DVD drive (optional)
Graphics card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, which supports KVM, remote switching, state monitoring and other functions.
PCIE extension	There are two PCIE3.0 × 16 slots (× 16Lane) on board, one PCIE3.0 × 16 slot (× 8Lane) on board (only supported by SV FT2064-1906 motherboard), four PCIE3.0 × 8 slots (× 8Lane) on board, and one MiniPCIE interface (USB and PCIE signal) on board.
USB	There are 4 USB3.0 ports in the rear, 2 USB2.0 ports in the front, 2 USB2.0 and USB3.0 pin interfaces on the board.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems

Item	Detailed configuration
CPU	Phytium FT2000+/64 core
Hard disk	8 2.5-inch NVMe and 16 2.5-inch SATA / SAS hot-swappable hard disks are placed in front of 2 2.5-inch system hard disks, which supports RAID1 and ensures the security of the operating system.
Memory	Support 8-channel DDR4 RDIMM memory slot, the maximum operating frequency up to 2933MHz, the maximum memory capacity up to 1TB.
Internet interface	On-board Gigabit Ethernet controller, supports expansion of 10 Gigabit Ethernet card
Hard disk interface	Four SATA3.0 interfaces and one M.22280 interface on board support cache acceleration. 2 Mini SAS 3.0 ports on board or 4 Oculink ports on board
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels
Graphics Card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, which supports KVM, remote switching, state monitoring and other functions.
PCIE extension	wo PCIE3.0 × 16 slots (× 16Lane), one PCIE3.0 × 16 slots (× 8Lane), four PCIE3.0 × 8 slots (× 8Lane), one MiniPCIE interface (USB + PCIE).
USB	There are 4 USB3.0 in the rear, 2 USB3.0 in the front, and 2 USB2.0 and USB3.0 pin interfaces on the board.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems
Physical size (H * W * D)	87 * 438 * 658mm, 19-inch cabinet support.



Dragon scale RS511P0-00

4U All Solid State Storage Server



Item	Detailed configuration
CPU	Phytium FT2000+/64 core
Hard disk	Preset 24 2.5-inch SATA / SAS hot-swappable hard disks, postset 2 2.5-inch system hard disks, support the formation of RAID1, to ensure the security of the operating system
Memory	Support 8-channel DDR4 RDIMM memory slot, the maximum operating frequency up to 2933MHz, the maximum memory capacity up to 1TB.
Internet interface	On-board Gigabit Ethernet controller, supports expansion of 10 Gigabit Ethernet card
Hard disk interface	4 SATA3.0 interfaces, 1 M.22280 interface on board, cache acceleration support, 2 MiniSAS3.0 interfaces on board or 4 Oculink interfaces on board
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels
Graphics Card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, which supports KVM, remote switching, state monitoring and other functions.
PCIe extension	On-board two PCIe3.0 × 16 slots (× 16Lane), on-board one PCIe3.0 × 16 slots (× 8Lane), on-board four PCIe3.0 × 8 slots (× 8Lane), on-board one MiniPCIe interface (USB and PCIe signal)
USB	There are 4 USB3.0 in the rear, 2 USB2.0 in the front, and 2 USB2.0 and USB3.0 pin interfaces on the board.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems
Physical size (H * W * D)	177 * 433 * 670mm, 19-inch cabinet support



Dragon scale RS511P0-01

4U Full Dual Storage Server

Item	Detailed configuration
CPU	Phytium FT2000+/64 core, 1
Hard disk	Front 24 plus rear 12 3.5 / 2.5-inch SATA / SAS hot-swappable hard disks, rear 2 2.5-inch system hard disks, support system disks to form RAID1 to protect the security of the operating system.
Memory	Supports 8 channels DDR4 memory slots, maximum support memory frequency is 2933MHz, maximum memory capacity is 1TB.
Internet interface	On-board Gigabit Ethernet controller, supports expansion of 10 Gigabit Ethernet card
Hard disk interface	Four SATA3.0 interfaces and one M.22280 interface on board support cache acceleration. Two Oculink interfaces on board.
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels.
Graphics Card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, supporting KVM Over lp, remote switching, state monitoring and other functions.
PCIe extension	There are two PCIe3.0 × 16 slots (× 16Lane), one PCIe3.0 × 16 slot (× 8Lane), four PCIe3.0 × 8 slots (× 8Lane) and one MiniPCIe interface (USB and PCIe signal) on the board.
USB	Post 4USB3.0, pre 2USB3.0, on-board USB2.0 and USB3.0 pin interface
Power supply	Standard 1200W1 + 1 redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems
Physical size (H * W * D)	176 * 432 * 699mm, support 19-inch cabinet



Dragon Scale RH221P1 2U dual server



Dragon scale RS510P0 4U single-channel storage server

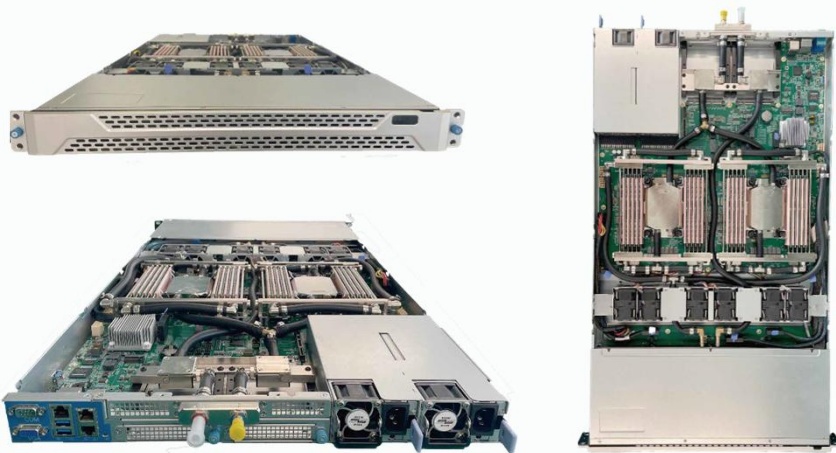
Item	Detailed configuration
CPU	2 * Phytium yun S2500 64-core processor
Hard disk	Front 8 3.5 / 2.5 inch SATA / SAS hot swap hard disk bit. Built-in two 2.5-inch system hard disk, support system disk RAID1, to protect the operating system security
Memory	Supports 16-channel DDR4 RDIMM memory slots with a maximum operating frequency of up to 3200MHz and a maximum memory capacity of up to 2TB.
Network port	Onboard 2 Gigabit Ethernet controllers, 2 Gigabit Ethernet ports
Hard disk interface	4 SATA 3.0 interfaces
RAID support	Onboard SATA3.0 controller supports soft RAID 0, 1, 10, and scalable RAID card supports multiple RAID protection levels
Optical drive	Built-in DVD drive (optional)
Graphics card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, supporting KVM Overlp, remote switching, state monitoring and other functions.
PCIE extension	2 PCIE3.0 X 241 PCIE3.0 X16 sockets, 3 Riser cards (up to 8 PCIE3.0 sockets for extended support), 1 Mini PCIE interface on board, 1 M.22280 interface on board
USB	There are four USB3.0 ports in the rear, two USB2.0 ports in the front, and one USB2.0 and USB3.0 pin interface on the board.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems.

Item	Detailed configuration
CPU	Phytium FT2000+/64 core
Hard disk	Front 24 2.5-inch SATA / SAS hot-swappable hard disks. Rear two 2.5 inch system hard disk, support the formation of RAID1, to ensure that the operating system security
Memory	Supports 8-channel DDR4 RDIMM memory slots with a maximum operating frequency of 2666 MHz.
Internet interface	Onboard 1 gigabit management network port, onboard 4 gigabit ports, support NCSI
Hard disk interface	Four SATA3.0 interfaces, two M.22280 interfaces on board, and one SAS3008 buckle card are supported.
RAID support	Support SAS3008 Mezzanine card slot
Graphics Card	BMC integrated display controller
IPMI	The on-board BMC management module provides a dedicated Ethernet port for remote management, which supports KVM, remote switching, state monitoring and other functions.
PCIE extension	It supports 7 PCIE3.0 Inline Slots, from left to right are Slot1 ~ Slot7, including : a.support 3 PCIE3.0 Slots, 1 X16 Link (Slot6), 2 X8 Link (Slot1 / 3) b.support 4 PCIE3.0 SLOTS, 3 standard X8 SlotSlot4 / 5 / 7), 1 SOC dedicated Slot is X4 Link (Slot2)
USB	Four USB3.0 ports, one VGA port, one COM port and two USB2.0 ports are placed in the back.
Power supply	CRPS 800W (1 + 1) Hot-swappable redundant power supply
Working temperature	0 ° C ~ 40 ° C, 10 % ~ 90 % (non-condensable)
Storage temperature	-40 ° C ~ + 60 ° C, 5 % ~ 95 % (non-condensable)
Operating system	Support Galaxy Kirin, UOS, ZTE New Fulcrum and other server operating systems.
Physical size (H * W * D)	177 * 433 * 670mm, 19-inch cabinet support



Dragon Scale RH120N2

1U dual server



Specification parameters



Item	Detailed configuration
CPU	1 / 2 third generation Intel 8 Xeon R Scalable Processor (Ice Lake) (8300 / 6300 / 5300 / 4300 series), up to 270W
Chipset	Intel C621A
Memory	16 DDR4 memory slots, a total of 16 channels, up to 3200MHz ;
Memory type	RDIMM/LRDIMM/Intel Optane DC Persistent Memory
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB, maximum support 6TB
Storage controller	12Gb / s SAS HBA and 12Gb / s SAS RAID controllers are optionally supported.
Local storage	Front : support 4 3.5 / 2.5 inch hard disk, support SATA, U.2 hard disk support 1 M.2 2280 NVME disk.
PCIe extension	It supports 9 PCIe 4.0 x8 extension interfaces (Slim SAS interface) and 1 PCIe x24 Riser card extension.
Network	1 1Gb RJ45 dedicated management network port, 2 OCP3.0 network interface
External interface	Pre : 2 USB2.0 post : 1 VGA, 2 USB 3.0, 1 RJ45 management network port, 1 COM, 2 standard QCPNIC 3.0 slots, 2 gigabit network ports.
Management functions	Integrated BMC management chip, supports IPMI2.0, Redfish, SOL, KVM, virtual media and other functions, provides a 1Gbps RJ45 dedicated management port
Power supply	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap optional 220v AC / 240v DC / 336v DC / -48v DC input optional 550W / 800W / 1300W / 1600W / 2000W high efficiency platinum power supply .
Heat dissipation	Cold plate heat dissipation, wind-liquid mixing
Chassis size	Frame type 1U, width 447mm * height 43.4mm * depth 755mm (excluding ear mm)
Working temperature	5 ° C -35 ° C (please consult sales staff for details) 0 % -90 %
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux EnterpriseServer、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServer Please consult the sales staff for specific version.



Specification parameters

Item	Detailed configuration
CPU	1 / 2 first generation Intel® Xeon® Scalable Processor, 3100 / 4100 / 5100 / 6100 / 8100 series, TDP 205W 1 / 2 second generation Intel® Xeon® Scalable Processor, 3200 / 4200 / 5200 / 6200 / 8200 series, TDP 205W
Chipset	Intel® C621
Memory	24 DDR4 DIMM slots, a total of 12 memory channels support 24 DDR4 RDIMMs / LRDIMMs / NVDIMMs, a maximum rate of 2933MT / s support 12 Intel DCPMMs, a maximum rate of 2666MT / s a single capacity of 8GB, 16GB, 32GB, 64GB, 128GB, 256G, 512G maximum support 9.0TB system memory (need to match a specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb / s SATA controller ; optional support 12Gb / s SAS HBA, and 12Gb / s SAS RAID controller, support a variety of specifications of the hard disk configuration, hard disk support hot swap : Configurable 16 3.5-inch + 2 2.5-inch SAS / SATA / SSD hard disk Configurable 31 2.5-inch SAS / SATA / SSD hard disk Configurable 16 2.5-inch NVMe SSD hard disk support built-in 1 PCIe M.2 (80 / 110mm), 2 SATA DOM.
PCI-E extension	Up to 10 PCI Express 3.0 expansion slots
GPU	Two full-height full-length dual-width GPUs
Network	Integrated two 1GbE, optional 2 × 1GbE / 4 × 1GbE / 2 × 10GbE / 4 × 10GbE / 2 × 25GbE / 2 × 40GbE network card and all kinds of standard PCIe network card.
Management	On-board BMC management module supports remote management and control, such as IPMI2.0, KVM OverIP, SOL, SNMP, etc. The original factory management software can deploy multiple hosts at the same time or carry out specific deployment according to the planned time. It can monitor the utilization rate of server CPU, memory and other resources, batch log collection, etc. ; data center management platform to achieve remote multi-functional advanced management ; optional LCD management module ;
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	1 or 2 power modules, support 1 + 1 redundancy, support hot swappable 220v AC / 240v DC / 336v DC / -48v DC input optional 550W / 800W / 1300W / 1600W power
port	Preposition : 1 D-SubVGA, 2 USB3.0, 1 LCDMiniUSB Postposition : 1 D-SubVGA, 2 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet port
System fan	Four 8038 or 8056 system fans, N + 1 redundant fans, hot swap support
Size	Frame type 2U, 447mm wide * 87mm high * 808mm deep (without hanging ear 788mm)
Weight	The full configuration net weight is about 32 KG, and the full configuration includes guide rails, accessories and packaging about 40 KG.
Temperature	Standard operating temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transport storage temperature : - 40 ° C to 65 ° C
Humidity	Working humidity : 10 % to 80 % (non-condensing) ; storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Microsoft Windows Server, Microsoft Hyper-V Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Fedora, Solaris, Oracle Linux, FreeBSD, VMware ESXi, Citrix XenServer Please consult the sales staff for specific version.



Intel



Dragon scale RH221N0 Purley 2U dual general server





Dragon Scale RH221N2

Whitley 2U dual general server



Specification parameters



Item	Detailed configuration
CPU	1 / 2 third generation Intel 8 Xeon R Scalable Processor (Ice Lake) (8300 / 6300 / 5300 / 4300 series), up to 270W
Chipset	Intel C621A
Memory	32 DDR4 memory slots, a total of 16 channels, up to 3200MHz ; supports up to 16 Intel 8 Otium M persistent memory 200 series, up to 3200MT / s
Memory type	RDIMM/LRDIMM/Intel Optane DC Persistent Memory
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB, maximum support 12TB
Storage controller	Integrated 6Gb / s SATA controller : Optional 12Gb / s SAS HBA and 12Gb / s SAS RAID controllers
Local storage	Front : support up to 12 3.5-inch or 25 2.5-inch hard disks Back : support up to 4 3.5-inch + 4 2.5-inch hard disks or 10 2.5-inch hard disks Built-in : support 4 3.5-inch hard disks (compatible with 2.5-inch) Support 2 M.2 (2280, PCIe 3.0x2), optional support 1 SD module (support RAID1 dual Micro SD)
PCIe extension	Supports up to 10 PCIe 4.0 expansion slots
GPU	Supports up to 4 full-height full-length dual-width GPUs
Network	A 1Gb RJ45 dedicated management network port, optional 4 × 1GbE / 2 × 10Gb SFP + / 4 × 10GbSFP + / 2 × 25Gb SFP28 OCP network card
External interface	Pre : 1 VGA, 2 USB3.0, 1 LCD Mini USB Post : 1 VGA, 2 USB 3.0, 1 RJ45 management network port, 1 COM, 1 standard QCPNIC 3.0 socket
Management functions	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions, provide a 1Gbps RJ45 dedicated management port, optional LCD management module
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap optional 220v AC / 240v DC / 336v DC / -48v DC input optional 550W / 800W / 1300W / 1600W / 2000W high efficiency platinum power supply
System fan	Four hot-swappable fan modules support 3 + 1 redundancy, intelligent speed regulation and abnormal alarm.
Chassis size	Frame type 2U, 447mm wide * 87mm high * 763mm deep (including hanging ear 783mm)
Working temperature	5 ° C -35 ° C (please consult sales staff for details) 0 % -90 %
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux EnterpriseServer、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServer Please consult the sales staff for specific version.



Specification parameters

Item	Detailed configuration
CPU	1 / 2 fourth-generation Intel 8 Xeon 8 Scalable Processor, up to 350W
Chipset	Intel C741
Memory type	32 DDR5 memory slots, a total of 16 channels, up to 4800MHz support RDIMM, 3DS RDIMM
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 8TB memory
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers
Storage	Front : Supports up to 12 3.5-inch or 25 2.5-inch hard drives Rear : Supports up to 4 3.5 " + 2 2.5 " hard drives or 2 3.5 " + 4 2.5 " hard drives Built-in : Supports 2 M.2 (2280 / 22110, PCIe 4.0x4)
PCIe extension	Up to 10 standard expansion slots can support up to 3 dual-width GPUs or 8 single-width GPUs.
Network	1 1GbE RJ45 for IPMI 1 1Gb RJ45 dedicated management network port 1 OCP NIC3.0 standard socket, optional 4 × 1GbE / 2 × 10Gb SFP + / 4 × 10Gb SFP + / 2 × 25Gb SFP28 OCP network card
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions to provide a 1Gbps RJ45 dedicated management port, optional LCD management module
Security	Optional TCM Security Module Optional chassis open cover intrusion detection
Power supply	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap Optional 800W / 1300W / 1600W / 2000W high-efficiency platinum power supply
Port / key	Front : 1 VGA, 2 USB3.0, 1 LCD MiniUSB Post : 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM
Size	Frame type 2U, 448mm wide * 87mm high * 763mm deep (including hanging ear 783mm)
Temperature	5° C-35°C
Humidity	8%-90%
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE LinuxEnterprise Server、CentOS、Ubuntu、Oracle Linux、VMware ESXi、Citrix XenServer Please consult the sales staff for specific version.



Intel



Dragon Scale RH221N3

Eagle Stream 2U dual general server





Dragon scale RI521N0

Purley 4U dual AI server



Specification parameters



Item	Detailed configuration
CPU	1 / 2 first generation Intel ® Xeon ® Scalable Processor, 3100 / 4100 / 5100 / 6100 / 8100 series, TDP 205W 1 / 2 second generation Intel ® Xeon ® Scalable Processor, 3200 / 4200 / 5200 / 6200 / 8200 series, TDP 205W
Chipset	Intel ® C621
Memory	24 DDR4 DIMM slots, a total of 12 memory channels support 24 DDR4 RDIMMs / LRDIMMs / NVDIMMs, a maximum rate of 2933MT / s support 12 IntelDCPMMs, a maximum rate of 2666MT / s a single capacity of 8GB, 16GB, 32GB, 64GB, 128GB, 256G, 512G maximum support 9.0TB system memory (need to match a specific CPU model and IntelDCPMM)
Storage controller	PCH/RSTe(NVMe)&SAS HBA/Raid卡(SAS/SATA)
Storage	Integrated 6Gb / s SATA controller ; supports 12Gb / s SAS HBA, 12Gb / s SAS RAID controller, multiple hard disk configurations, and hot-swappable hard disks : 25 2.5-inch SAS / SATA can be configured (4 support NVMe / SAS / SATA interspersed)
GPU extension mode	Support balance / cascade (only 8GPU) / universal three modes are optional
Number of GPUs	Supports up to 10 dual-width full-length GPUs
PCIe extension	Up to 12 PCI Express 3.0 expansion slots
Network	One RJ45IPMI management interface, optional 2 × 1GbE / 4 × 1GbE / 2 × 10GbE / 4 × 10GbE / 2 × 25GbE / 2 × 40GbE network subcards and various standard PCIe network cards.
Management	The onboard BMC management module supports remote management and control, such as IPMI2.0.KVM Over IP, SOL, SNMP, etc. The original factory management software can deploy multiple hosts at the same time or carry out specific deployment according to the planned time. It can monitor the utilization rate of server CPU, memory and other resources, batch log collection, etc. ; data center management platform to achieve remote multi-functional advanced management ; optional LCD management module.
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	2 / 3 / 4 power modules, support 1 + 1, 2 + 1, 2 + 2, 3 + 1 redundancy, support hot swappable 220v AC / 240v DC / 336v DC / -48v DC input optional 1300W / 1600W / 2000W power
Port	Front : 1 D-SubVGA, 2 USB3.0, 1 LCDMiniUSB Post : 1 standard DB9, 2 USB3.0, 1 RJ45 management network port
System fan	8 8038 system fans, N + 1 redundant fans, hot swap support
Size	Frame type 4U / 4.5U, width 447mm × height 175mm × depth 768mm (excluding hanging ear 748mm)
Weight	全The full configuration net weight is about 21 KG, and the full configuration includes guide rails, accessories and packaging about 43 KG.
Temperature	Standard operating temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transport storage temperature : -40 ° C to 65 ° C
Working humidity	10 % to 80 % (non-condensable) ; storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux EnterpriseServer、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServer Please consult the sales staff for specific version.





Specification parameters

Item	Detailed configuration	
Scheme	4U8 card-through	4U8 card / 10 card-Switch
CPU	2 Intel ® Xeon ® Sapphire Rapids (compatible with Emerald Rapids) processors, supporting up to 350W	
Chipset	Intel C741	
Memory type	32 DDR5 memory slots, a total of 16 channels, up to 4800MHz Support RDIMM, 3DS RDIMM	
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 8TB memory	
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers	
Storage	Supports 12 3.5-inch hard drives Supports 8 3.5-inch hard drives Supports 24 2.5-inch hard drives Supports 4 U.2 NVMe SSDs, 2 M.2 SSDs, compatible with PCIe and SATA	Supports 12 3.5-inch hard drives Supports 8 3.5-inch hard drives Supports 24 2.5-inch hard drives Supports 24 U.2 NVMe SSDs, 2 M.2 SSDs, compatible with PCIe and SATA
PCIe extension	Supports up to 11 standard expansion slots In addition to 8GPU, it supports 1 PCIe 5.0x16 + 2 PCIe 5.0x8 in addition to 8GPU.	Supports up to 15 standard expansion slots It supports up to 10 full-height full-length GPU cards (8 cards are the best). In addition to 8GPU, it supports 5 PCIe 5.0x16 + 2 PCIe 4.0x8.
Network	supports 1 OCP3.0 network card, default PCIe 5.0x8. xl6 signal optional 4 × 1GbE / 2 × 10Gb SFP + / 4 × 10GbSFP + / 2 × 25Gb SFP28 optional 4 × 1GbE / 2 × 10Gb SFP + / 4 × 10GbSFP + / 2 × 25Gb SFP28 Support NCSI	
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions to provide a 1Gbps RJ45 dedicated management port, optional LCD module	
Security	Optional TCM Security Module Optional chassis open cover intrusion detection	
Power supply	Configurable 4 CRPS power module, support hot plug, support 2 + 2 / 3 + 1 / 1 + 1 redundant mode (different redundant mode without brush machine model) optional 1600W / 2000W / 2400W / 2700W platinum or titanium power module	
Port / key	Front : 2 USB 3.0, 1 VGA interface Postposition : 1 serial port, 2 USB3.0 interfaces, 1 VGA interface, 1 RJ45 management port	
Size	2.5 ° hard disk chassis size : width 448mmx height 175mmx depth 772mm (including hanging ear 792mm) 3.5 ° hard disk chassis size : width 448mm x height 175mm x depth 822mm (including ear 842mm)	
Temperature	5℃-35℃	
Humidity	8%-90%	
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux EnterpriseServer、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServer Please consult the sales staff for specific version.	



Intel



Dragon scale RI521N3

Eagle Stream 4U dual AI server





Dragon scale RH241N0

Purley 2U four-way universal server



Specification parameters



Item	Detailed configuration
CPU	2 / 4 first generation Intel ® Xeon ® Scalable Processor, 5100 / 6100 / 8100 series 2 / 4 second-generation Intel ® Xeon ® Scalable Processor, 5200 / 6200 / 8200 series TDP 85-205W, Cross bar fully connected
Chipset	Intel ® C621
Memory	48 DDR4 DIMM slots for 24 memory channels It supports 48 DDR4 RDIMMs / LRDIMMs / NVDIMMs with a maximum rate of 2933MT / s. It supports 24 Intel DCPMMs with a maximum rate of 2666MT / s. Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB Maximum support for 18.0 TB system memory (need to match a specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb / s SATA controller ; optional support 12Gb / s SAS HBA, and 12Gb / s SAS RAID controller, support a variety of specifications of the hard disk configuration, hard disk support hot swap : Configurable with 25 2.5-inch hard drives Configurable 16 2.5-inch NVMe hard disks (14 hot-swappable + 2 non-hot-swappable) Support built-in 2 PCIe M.2 (80 / 110mm), 2 SATA DOM, 1 Micro SD card.
PCIe extension	Up to 10 PCI Express 3.0 expansion slots Supports up to 6 75 W GPU cards (4 full-height full-length + 2 half-height half-length)
Network	Integrated 2 1GbE, optional all kinds of standard PCIe network card
Management	On-board BMC management module supports remote management and control, such as IPMI2.0, KVM Over IP, SOL, SNMP, etc. The original factory management software can simultaneously deploy multiple hosts or carry out specific deployments according to the planned time. It can monitor the utilization rate of server CPU, memory and other resources, batch log collection, etc. ; data center management platform to achieve remote multi-functional advanced management ; optional LCD management module.
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	2 power modules, support 1 + 1 redundancy, support hot swapping Optional 220v AC / 240v DC / 336v DC / -48v DC input Optional 800W / 1300W / 1600W power
Port / key	Front : 1 D-SubVGA, 2 USB3.0, 1 LCD Mini USB Post : 1 D-SubVGA, 4 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports.
Size	Frame type 2U, width 447mm * height 87mm * depth 795mm (excluding hanging ear 775mm)
Temperature	Standard operating temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transport storage temperature : - 40 ° C to 65 ° C
Humidity	Working humidity : 10 % to 80 % (non-condensable) Storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux FreeBSD、VMware ESXi、Citrix Xen Server Please consult the sales staff for specific version.



Specification parameters

Item	Detailed configuration
CPU	2 / 4 first generation Intel ® Xeon ® Scalable Processor, 5100 / 6100 / 8100 series 2 / 4 second generation Intel ® Xeon ® Scalable Processor, 5200 / 6200 / 8200 series TDP 85-205W, Cross bar full interconnection
Chipset	Intel ® C621
Memory	48 DDR4 DIMM slots for 24 memory channels It supports 48 DDR4 RDIMMs / LRDIMMs / NVDIMMs with a maximum rate of 2933MT / s. It supports 24 Intel DCPMMs with a maximum rate of 2666MT / s. Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB Maximum support for 18.0 TB system memory (need to match a specific CPU model and Intel DCPMM)
Storage	Integrated 6Gb / s SATA controller ; optional support 12Gb / s SAS HBA, and 12Gb / s SAS RAID controller, support a variety of specifications of the hard disk configuration, hard disk support hot-swappable : Configurable with 24 3.5-inch hard drives Configurable with 50 2.5-inch hard disks Configurable 16 2.5-inch NVMe hard drives (14 hot-swappable / 2 non-hot-swappable) Support built-in 2 PCIe M.2 (80 / 110mm), 2 SATA DOM, 1 Micro SD card.
PCIe extension	Up to 15 PCI Express 3.0 expansion slots It can be configured with four 300 W GPU cards (full-height full-length double-slot). It can be configured with 6 75 W GPU cards (4 full-height full-length + 2 half-height half-length).
Network	Integrated two 1GbE, optional 2x1GbE / 4x1GbE / 2x10GbE / 4x10GbE / 2x25GbE / 2x40GbE network card and all kinds of standard PCIe network card.
Management	On-board BMC management module supports remote management and control, such as IPMI2.0, KVM Over IP, SOL, SNMP, etc. The original factory management software can simultaneously deploy multiple hosts or perform specific deployments according to the planned time. It can monitor the utilization rate of CPU, memory and other resources of the server, batch log collection, etc. ; data center management platform to achieve remote multi-functional advanced management ; optional LCD management module.
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	2 or 3 or 4 power modules, support 1 + 1, 2 + 1, 2 + 2, 3 + 1 redundancy, support hot broadcast 220v AC / 240v DC / 336v DC / -48v DC input Optional 800W / 1300W / 1600W power
Port / key	Front : 1 D-SubVGA, 2 USB3.0, 1 LCD Mini USB Post : 1 D-SubVGA, 4 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports.
Size	Frame type 2U, width 447mm * height 87mm * depth 795mm (excluding hanging ear 775mm)
Temperature	The standard working temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transportation and storage temperature : -40 ° C to 65 ° C
Humidity	Working humidity : 10 % to 80 % (non-condensable) Storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Microsoft Windows Server、Microsoft Hyper-V Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux FreeBSD、VMware ESXi、Citrix Xen Server Please consult the sales staff for specific version.



Intel



Dragon scale RH541N0

Purley 4U four-way universal server





Dragon Scale RS521N0

Purley 4U Dual Storage Server



Specification parameters



Item	Detailed configuration
CPU	1 / 2 first generation Intel ® Xeon ® Scalable Processor, 3100 / 4100 / 5100 / 6100 / 8100 series, TDP 205W 1 / 2 second generation Intel ® Xeon ® Scalable Processor, 3200 / 4200 / 5200 / 6200 / 8200 series, TDP 205W
Chipset	Intel C621
Memory	24 DDR4 DIMM slots for 12 memory channels Support 24 DDR4 RDIMMs / LRDIMMs / NVDIMMs, the highest rate is 2933MT / s. Supports 12 IntelDCPMMs with a maximum rate of 2666MT / s. Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256G, 512G Support for up to 9.0 TB system memory (need to match a specific CPU model and IntelDCPMM)
Storage	Integrated 6Gb / s SATA controller ; optional 12Gb / s SASHBA and 12Gb / s SAS RAID controllers are supported. Multiple hard disk configurations are supported. Hot swapping is supported : Configurable 36 3.5 " + 2 2.5 " SAS / SATA / SSD drives Configurable 40 3.5 " + 2 2.5 " SAS / SATA / SSD drives Configurable 44 3.5-inch (including 4 3.5-inch hard drives built-in, does not support hot-swappable) + 2 2.5-inch SAS / SATA / SSD hard drives Support built-in one PCIe M.2 (80 / 110mm), two SATA DOM.
PCIe extension	Up to 10 PCIeExpress 3.0 expansion slots (including 2 dedicated slots)
Network	Integrated two 1GbE, optional 2 × 1GbE / 4 × 1GbE / 2 × 10GbE / 4 × 10GbE / 2 × 25GbE / 2 × 40GbE network card and all kinds of standard PCIe network card.
Management	On-board BMC management module supports remote management and control, such as IPMI2.0, KVM Over IP, SOL, SNMP, etc. The original factory management software can deploy multiple hosts at the same time or carry out specific deployment according to the planned time. It can monitor the utilization rate of server CPU, memory and other resources, batch log collection, etc. ; data center management platform to achieve remote multi-functional advanced management Optional LCD management module.
Security	Optional TPM / TCM security module, chassis open cover intrusion detection, lock chassis cover plate
Power supply	1 or 2 power modules, support 1 + 1 redundancy, support hot swapping Optional 220v AC / 240v DC / 336v DC / -48v DC input Optional 800W / 1300W / 1600W power
Port	Front : 1 D-SubVGA, 2 USB3.0, 1 LCDMiniUSB Post : 1 D-SubVGA, 2 USB3.0, 1 RJ45 management network port, 2 RJ45 Ethernet ports.
System fan	8 8038 system fans, N + 1 redundant fans, hot swap support
Size	Frame type 4U, width 448mm * height 175mm * depth 778mm (excluding hanging ear 758mm)
Weight	The full configuration net weight is about 62 KG, and the full configuration includes guide rails, accessories and packaging about 89 KG.
Temperature	Standard operating temperature : 5 ° C to 35 ° C (without direct light) Extended operating temperature : 5 ° C to 40 ° C (limited configuration meets) Transport storage temperature : -40 ° C to 65 ° C
Humidity	Working humidity : 10 % to 80 % (non-condensing) ; storage humidity : 5 % to 95 % (non-condensable)
Operating system support	Microsoft Windows Server、Microsoft Hyper-VServer、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServerPlease consult the sales staff for specific version.



Specification parameters

Item	Detailed configuration
CPU	1 / 2 third-generation Intel® Xeon® Scalable Processor (Ice Lake) (8300 / 6300 / 5300 / 4300 series), up to 270W
Chipset	Intel C621A
Memory type	32 DDR5 memory slots, 16 channels, up to 3200MHz support RDIMM / LRDIMM / Intel Optane DC Persistent Memory
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, 256GB, 512GB, maximum support 12TB memory
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers
Storage	Front : support up to 24 3.5-inch hard disks Rear : Supports up to 4 3.5-inch hard drives Built-in : maximum support 16 3.5-inch + 2 2.5-inch hard disks Supports up to 10 standard expansion slots It can support up to 2 dual-width GPUs or 8 single-width GPUs.
PCIe extension	4 × 1GbE / 2 × 10Gb SFP + / 4 × 10Gb SFP + / 2 × 25Gb SFP28 OCP network card can be selected for a 1Gb RJ45 dedicated management network port.
Network	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions to provide a 1Gbps RJ45 dedicated management port, optional LCD management module
Management	Optional TCM security module Optional chassis open cover intrusion detection
Security	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap optional 800W / 1300W / 1600W / 2000W high efficiency platinum power supply
Power supply	Pre : 1 VGA, 2 USB3.0, 1 LCD Mini USB Post : 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM, 1 standard OCP NIC 3.0 socket
Port / key	Frame type 4U, width 448mm * height 175mm * depth 778mm (excluding hanging ear 758mm)
Size	5° C-35° °C
Temperature	5%-90%
Operating system support	Microsoft Windows Server、Microsoft Hyper-VServer、Red Hat Enterprise Linux、SUSE Linux EnterpriseServer、CentOS、Ubuntu 、Fedora、Solaris、Oracle Please consult the sales staff for specific version



Intel



Dragon scale RS521N2
whitley 4U dual storage
server





Dragon Scale RS521N3

Eagle Stream 4U dual storage server



Specification parameters



Item	Detailed configuration
CPU	1 / 2 fourth-generation Intel ® Xeon ® Scalable Processor, up to 350W
Chipset	Intel C741
Memory type	32 DDR5 memory slots, a total of 16 channels, up to 4800MHz Support RDIMM, 3DS RDIMM
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 8TB memory
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers
Storage	Front : support up to 24 3.5-inch hard disks Rear : Supports up to 16 3.5 " + 2 2.5 " hard drives Built-in : Support 4 3.5-inch hard disks
PCIe extension	Supports up to 10 standard expansion slots It can support up to 2 dual-width GPUs or 8 single-width GPUs.
Network	1 1Gb RJ45 dedicated management network port Optional 4 × 1GbE / 2 × 10Gb SFP + / 4 × 10GbSFP + / 2 × 25Gb SFP28 OCP network card
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions to provide a 1Gbps RJ45 dedicated management port, optional LCD management module
Security	Optional TCM Security Module Optional chassis open cover intrusion detection
Power supply	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap Optional 1300W / 1600W high-efficiency platinum power supply
Port / key	Front : 1 VGA, 2 USB3.0, 1 LCD Mini USB After : 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM, 1 standard OCP NIC 3.0 socket
Size	Frame type 4U, width 448mm * height 175mm * depth 778mm (excluding hanging ear 758mm)
Temperature	5° C-35°C
Humidity	8%-90%
Operating system support	Microsoft Windows Server、Microsoft Hyper-VServer、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu.Fedora、Solaris、Oracle Linux、FreeBSD、VMware ESXi、Citrix XenServer. Please consult the sales staff for specific version



Specification parameters

Item	Detailed configuration
CPU	2 AMD EPYC Rome/Milan/Milan-X processors, up to 64 cores per processor, maximum power 280W4xGMlinks interconnection
Memory type	32 DDR4 memory slots with a total of 16 channels, up to 3200MHz Support RDIMM, LRDIMM
Memory capacity	A single capacity of 8 gb, 16 gb, 32 gb and 64 gb and 128 gb, maximum support 8 terabytes of memory
Storage controller	Integrated 6GB/S SATA controller; Optional support for 12GB/S SAS HBA, and 12GB/S SAS RAID controller
Storage	Front: supports up to 12 3.5" or 25 2.5" hard disks Rear: supports up to 6 2.5-inch hard disks Built-in: Supports 2 M.2(2280,
PCIe extension	Up to 10 standard expansion slots are supported Up to 2 dual-width Gpus or 8 single-width Gpus can be supported
Network	1 1Gb RJ45 dedicated management network port Support 1 OCP 3.0 SFF expansion card, optional 4×1GbE/2×10GbSFP+/4×10GbSFP+/2×25GbSFP28
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions provide a 1Gbps RJ45 special management port, optional LCD management module
Security	Optional TCM security module Optional case open cover intrusion detection
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot plugging Optional 550W/800W/1300W/1600W power
Port / key	Front: 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM, 1 Rear: 1 VGA, 2 USB3.0 standard OCP NIC 3.0 slots
Size	Rack type 2U, width 448* height 87* depth 763mm
Temperature	5℃- 35℃
Humidity	8%-90%
Operating system support	Microsoft Windows Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、Ubuntu、Oracle Linux、VMware ESXi、Citrix XenServer Please consult the sales staff for the specific version



AMD



Dragon Scale RH221A2-00

Milan / Rome 2U Dual Universal Server





Dragon Scale RH221A2-01

Milan / Rome 2U Dual Universal Server



Specification parameters



Item	Detailed configuration
CPU	2 AMD EPYC Rome/Milan/Milan-X processors, up to 64 cores per processor, maximum power 280W4xGMilinks interconnection
Memory type	32 DDR4 memory slots with a total of 16 channels, up to 3200MHz Support RDIMM, LRDIMM
Memory capacity	A single capacity of 8 gb, 16 gb, 32 gb and 64 gb and 128 gb, maximum support 8 terabytes of memory
Storage controller	Integrated 6GB/S SATA controller; Optional support for 12GB/S SAS HBA, and 12GB/S SAS RAID controller
Storage	Front: supports up to 12 3.5" or 25 2.5" hard disks Rear: supports up to 6 2.5-inch hard disks Built-in: Supports 2 M.2(2280,
PCIe extension	Up to 10 standard expansion slots are supported Up to 2 dual-width Gpus or 8 single-width Gpus can be supported
Network	1 1Gb RJ45 dedicated management network port Support 1 OCP 3.0 SFF expansion card, optional 4×1GbE/2×10GbSFP+/4×10GbSFP+/2×25GbSFP28
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions Provide a 1Gbps RJ45 special management port, optional LCD management module
Security	Optional TCM security module Optional case open cover intrusion detection
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot plugging Optional 550W/800W/1300W/1600W power
Port / key	Front: 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM, 1 Rear: 1 VGA, 2 USB3.0 standard OCP NIC 3.0 slots
Size	Rack type 2U, width 448* height 87* depth 763mm
Temperature	5℃- 35℃
Humidity	8%-90%
Operating system support	Microsoft Windows Server、Red Hat Enterprise Linux、SUSE Linux Enterprise Server、CentOS、UBuntu、Oracle Linux、VMware ESXi、Citrix XenServer Please consult the sales staff for the specific version



Specification parameters

Item	Detailed configuration	
Scheme	4U8 card - Pass through	4U8 card /10 card -Switch
CPU	Two AMD EPYC 9004 series processors with a maximum power of 400W	
Memory type	24 DDR5 memory slots, 12 memory channels per CPU, support up to 4800MHz support RDIMM/3DS RDIMM	
Storage controller	Integrated 6GB/S SATA controller; Optional Supports 12GB/S SAS HBA and 12GB/S SAS RAID controller	
Storage	Supports 8/12 3.5-inch hard drives Supports 8/16/24 2.5-inch hard drives Supports optional 2/4/8 U.2 NVMe SSD1 M.2 SSD, 2280&22110 sizes, PCIe 3.0x4	Supports 8/12 3.5-inch hard drives Supports 8/16/24 2.5-inch hard drives Supports optional 4/8 U.2 NVMe SSDS, 1 M.2 SSD, 2280&22110 sizes, and supports PCIe 3.0x4
PCIe extension	Solution 1: Support 8 full-height, full-length, dual-width PCIe 5.0 GPU cards Up to 1 PCIe 5.0x16 +2 PCIe 5.0x8 is supported except for 8 Gpus Solution 2: Support 8 full-height, full-length, dual-width PCIe 4.0 GPU cards Up to 1 PCIe 4.0x16 +2 PCIe 4.0x8 is supported except for 8 Gpus	Support 8 full height, full length and dual width GPU cards (meet 10 card configuration) Support 5 PCIe5.0x16 (4 from switch, 1 from CPU) in addition to 8GPU
Network	1 1Gb RJ45 dedicated management network port, Support 1 OCP 3.0 SFF expansion card, optional 4×1GbE/2×10Gb SFP+/4×10Gb SFP+/2×25Gb SFP28 Support NCSI	
端口	Front: 1 VGA, 2 USB3.0 Backend: 1 VGA, 2 USB3.0, 1 RJ45 management network port, 1 COM	
Management	Integrated BMC management chip, support IPMI2.0, Redfish, SOL, KVM, virtual media and other functions.	
Security	Optional TPM/TCM security module, chassis open cover intrusion detection, lock chassis cover plate	
Power supply	It can be configured with 4 power modules, support N+1 redundancy, and support hot plugging Optional 220v AC /240v DC /336v DC /-48v DC input Optional 1600 w / 2000 w / 2400 w / 2700 w / 3000 w high platinum power supply	
Fan	4 hot pluggable fan modules, support N+1 redundancy, support intelligent speed regulation and abnormal alarm	
Size	2.5° hard disk case size: Width 448mmx height 175mmx depth 772mm(including lug 792mm) 3.5° Hard disk case size: Width 448mm x height 175mmx depth 822mm(including lug 842mm)	
Temperature	0°C - 35°C (In the absence of direct light)	
Humidity	10% - 85%	
Operating system support	Support Microsoft Windows Sever, Red Hat Enterprise Linux, Ubuntu Linux, CentOS and other mainstream operating systems, please consult the sales staff for specific versions	



AMD



Longlin RI521A3

Genoa 4U dual AI server





Dragon Scale RH221H1-00

Two-way universal server



Specification parameters



Item	Detailed configuration
CPU	1/2 sea ray Dhyana 7200/7300/7400/5200/5300/5400 whole series of CPU, the highest support 32 nuclear, 64 threads, TDP 280 w
Memory type	32 DDR4 memory slots with a total of 16 channels, up to 3200MHz ECC RDIMMs/LRDIMMs are supported
Memory capacity	A single capacity of 8 gb, 16 gb, 32 gb and 64 gb and 128 gb, maximum support 4 TB of memory
Storage controller	Integrated 6GB/S SATA controller; Optional support for 12GB/S SAS HBA, and 12GB/S SAS RAID controller
Storage	Front: supports up to 12 3.5-inch hard drives or 25 2.5-inch hard drives Rear: Up to 6 2.5-inch hard drives (4 with U.2 NVME support) Built-in: 2 M.2(2280)
PCIe extension	Up to eight PCI Express 3.0 expansion slots are supported Support two full height, full length and double width GPU cards (PCIe Gen4X16 DW-FHFL, usually used as training card)
Network	Integrated 1 1GbE RJ45 BMC management network port Optional 2×1GbE/4×1GbE/2×10GbE/2×25GbE OCP3.0 network card, or PCIe standard card
Management	Integrated BMC management chip, support IPMI2.0, SOL, KVM, virtual media and other functions
Security	Optional TCM security module Optional case open cover intrusion detection
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot plugging Optional 550W/800W/1300W power
Port / key	Front: 1 VGA, 2 USB3.0 Rear: 1 VGA, 2 USB3.0, 1 COM port, 1 RJ451GbE management network port
Size	Gantry type 2U, width 447mm× height 87mm× depth 763mm(including lug 783mm)
Temperature	5℃-35℃
Humidity	30%-80%
Operating system support	Kirin, Red Hat Enterprise Linux, SLES, CentOS, QEMU-Xen, vSphere, QEMU-KVM, Ubuntu, VMWare ESXi 6.0 specific version Please consult the sales staff for the specific version





Specification parameters

Item	Detailed configuration
CPU	1/2 sea ray Dhyana 7200/7300/7400/5200/5300/5400 whole series of CPU, the highest support 32 nuclear, 64 threads, TDP 280 w
Memory type	16 DDR4 memory slots with a total of 16 channels, up to 3200MHz ECC RDIMMs/LRDIMMs are supported
Memory capacity	A single capacity of 8 gb, 16 gb, 32 gb and 64 gb and 128 gb, maximum support 4 TB of memory
Storage controller	Integrated 6GB/S SATA controller; Optional support for 12GB/S SAS HBA, and 12GB/S SAS RAID controller
Storage	Front: supports up to 12 3.5-inch hard disks Up to 25 2.5-inch hard drives are supported Supports up to 4 U.2 NVME Rear: Supports 2 2.5-inch hard drives Built-in :1 M.2 (2280/22110)
PCIe extension	Up to 6 semi-high standard PCIe Gen4 expansion slots are supported PCIe Gen4 X16 * 3 PCIe Gen4 X8 * 3 It can support three GPU cards with half height and half length and single width (usually inference cards)
Network	Integrate 1 1GbE RJ45 for IPMI Two 1GbE RJ45 service network ports are integrated Optional 2x1GbE/4x1GbE/2x10GbE/2x25GbE standard network card
Management	Integrated BMC management chip, support IPMI2.0, SOL, KVM, virtual media and other functions
Security	Optional TCM security module Optional case open cover intrusion detection
Power supply	支持1-2个CRPS电源模块, 支持1+1冗余, 支持热插拔 可选220VAC/240VDC/336VDC/-48VDC输入 可选550W/800W/1300W功率
Port / key	Front: 1 VGA, 2 USB3.0 Rear: 1 VGA, 4 USB3.0, 1 COM port, 1 RJ45 1GbE management network port, 2 RJ45 1GbE data network port
Size	Rack type 2U, width 447mm * height 87mm * depth 650mm (including lug 670mm)
Temperature	Standard operating temperature: 5° C-35 °C(without direct light) Extended operating temperature: 5° C-40 °C(limited configuration is satisfied) Transport and storage temperature: -40° C-65 °C
Humidity	Working humidity: 30%-80% (non-condensation) Storage humidity: 5%-90% (non-condensation)
Operating system support	Qeilin, Red Hat Enterprise Linux, SLES, CentOS, QEMU-Xen, vSphere, QEMU-KVM, Ubuntu, VMWare ESXi 6.0 Please consult the sales staff for the specific version



HYGON



Dragon Scale RH221H1-01

Two-way universal server





Dragon Scale RS521H1-00

Two-way storage server



Specification parameters



Item	Detailed configuration
CPU	1/2 sea ray Dhyana 7200/7300/7400/5200/5300/5400 whole series of CPU, the highest support 32 nuclear, 64 threads, TDP 280 w
Memory type	32 DDR4 support ECC memory slots with a total of 16 channels up to 3200MHz RDIMMs/LRDIMMs
Memory capacity	A single capacity of 8 gb, 16 gb, 32 gb and 64 gb, 128 gb,
Storage controller	Integrated 6GB/S SATA controller; Optional support for 12GB/S SAS HBA, and 12GB/S SAS RAID controller
Storage	Front: Supports 24 3.5-inch SAS/SATA(HDD/SSD) Rear: Supports 16 SAS/SATA(HDD/SSD) 3.5 "+2 SAS/SATA(HDD/SSD) 2.5" Built-in: supports 4 3.5-inch SAS/SATA(HDD/SSD) and 2 80mm M.2 SSDS
PCIe extension	Up to 10 standard PCIe Gen4 expansion slots are supported
Network	Integrate 1 1GbE RJ45 for IPMI Two 1GbE RJ45 data network ports are integrated
Management	Integrated BMC management chip, support IPMI2.0, SOL, KVM, virtual media and other functions
Security	Optional TCM security module Optional case open cover intrusion detection
Power supply	Configurable 2 power modules, support 1+1 redundancy, support hot plugging Optional 800W/1300W/1600W power
Port / key	Front: 1 VGA, 2 USB3.0 Backend: 1 VGA, 2 USB3.0, 1 RJ451GbE management network port
Size	Rack type 4U, width 448mm * height 175mm * depth 773mm (including lug 793mm)
Temperature	5°C-35°C
Humidity	30%-80%
Operating system support	Kylin, Red Hat Enterprise Linux, SLES, CentOS, QEMU-Xen, vSphere, QEMU-KVM, Ubuntu, VMWare ESXi 6.0 Specific versions please consult with the sales staff.



Specification parameters

Item	Detailed configuration
CPU	1 / 2 Haiguang Dhyana 7200 / 7300 / 7400 / 5200 / 5300 / 5400 full series CPU, up to support 32 cores, 64 threads, TDP 280W
Memory type	16 DDR4 memory slots for 16 channels up to 3200MHz ECC RDIMMs / LRDIMMs are supported.
Memory capacity	Single capacity 8GB, 16GB, 32GB, 64GB, 128GB, maximum support 2TB memory
Storage controller	Integrated 6GB / S SATA controller ; optional support for 12GB / S SAS HBA and 12GB / S SAS RAID controllers
Storage	Front : Supports 24 3.5-inch SAS / SATA (HDD / SSD) Supports 16 3.5-inch SAS / SATA (HDD / SSD) + 2 2.5-inch SAS / SATA (HDD / SSD) Built-in : Supports 1 80mm / 110mm M.2 SSD
PCIe extension	Supports up to 6 half-high standard PCI Express 4.0 expansion slots PCIe Gen3X16 * 3, PCIe Gen3X8 * 3
Network	Integrated 1GbE RJ45 for IPMI Integrated two 1GbE RJ45 data network port
Management	Integrated BMC management chip, support IPMI2.0, SOL, KVM, virtual media and other functions
Security	Optional TCM Security Module Optional chassis open cover intrusion detection
Power supply	Configurable 2 power modules, support 1 + 1 redundancy, support hot swap Optional 800W / 1300W / 1600W power
Port / key	Front : 1 VGA, 2 USB3.0 Postposition : 1 VGA, 4 USB3.0, 1 COM port, 1 RJ451GbE management network port, 2 RJ451GbE data network port.
Size	Frame type 4U, width 447mm * height 175mm * depth 659mm (including hanging ear 679mm)
Temperature	5℃-35℃
Humidity	30%-80%
Operating system support	Kylin, Red Hat Enterprise Linux, SLES, CentOS, QEMU-Xen, vSphere, QEMU-KVM, Ubuntu, VMWare ESXi 6.0 Specific versions please consult with the sales staff.



HYGON



Dragon Scale RS521H1-01

Dual storage server



04

F O U R

Optical modem





Dual-band intelligent FTTR _ AX3000 wireless optical modem main router



Specification parameters



Item	Detailed configuration
Chip scheme	RTL9617C-CG+RTL8192XBR-CG+RTL8832CR
Memory	4Gb_DDR、2Gb_FLASH
Network Interface	Four 10 / 100 / 1000Mbps network ports + one uplink XGPON + one downlink GPON _ OLT
Other interfaces and keys	A USB2.0 + a voice port + a power button + a WPS button + a reset button
Wireless transmission rate	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 2402Mbps ;
Network standards	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Antenna type	Two 5dBi external dual-band omnidirectional antennas + one on-board antenna
Wireless security	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Power supply	AC 100-240V, 50/60Hz 0.7A DC 12V, 2A
Working temperature	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working relative humidity	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



Dual-band intelligent FTTR _ AX3000 wireless optical modem sub-router



Specification parameters



Item	Detailed configuration
Chip scheme	RTL9607DQ-CG+RTL8192XBR-CG+RTL8832CR
Memory	2Gb_DDR、1Gb_FLASH
Network Interface	Two 10 / 100 / 1000Mbps network ports
Other interfaces and keys	A reset button + a WPS button
Wireless transmission rate	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 2402Mbps ;
Network standards	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Antenna type	5 5dBi built-in antennas
Wireless security	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Power supply	AC 100-240V, 50/60Hz 0.5A DC 12V, 1A
Working temperature	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working relative humidity	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



Dual-band intelligent FTTR _ AX3000 wireless optical modem main router with Hisilicon scheme



Specification parameters



Item	Detailed configuration
Chip scheme	Gateway side: Hisilicon Hi5682TV100; Optical lineterminal side: PonCAN VN1802B2
Memory	4Gb_DDR、2Gb_FLASH
Network Interface	Four 10 / 100 / 1000Mbps network ports + one uplink XGPON + one downlink GPON _ OLT
Other interfaces and keys	A USB3.0 + a voice port + a power button + a WPS button + a reset button
Wireless transmission rate	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 2402Mbps ;
Network standards	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Antenna type	Two 5dBi external dual-band omnidirectional antennas
Wireless security	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Power supply	AC 100-240V, 50/60Hz 0.7A DC 12V, 2A
Working temperature	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working relative humidity	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



Dual-band intelligent FTTR _AX3000 wireless optical modem sub-router with Hisilicon scheme



Specification parameters



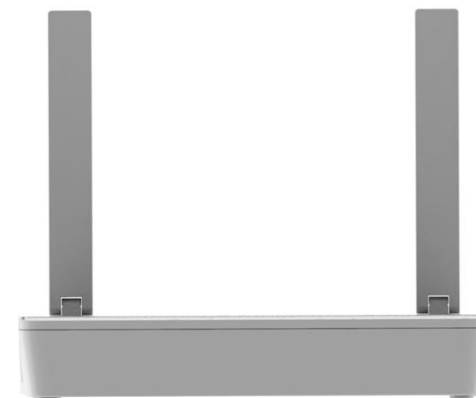
项目	详细配置
Chip scheme	Hi5682TV100
Memory	2Gb_DDR、1Gb_FLASH
Network Interface	Two 10 / 100 / 1000Mbps network ports + one upstream GPON port
Other interfaces and keys	2.4GHz transmission rate : 574Mbps ; 5GHz transmission rate : 2402Mbps ;
Wireless transmission rate	Wireless standards : IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax Wired standards : IEEE 802.3, IEEE 802.3u
Network standards	six 5dBi built-in antennas
Antenna type	WPA-PSK (TKIP), WPA2-PSK (AES) and WPA-PSK (TKIP) + WPA2-PSK (AES), WPA3-SAE, wireless encryption disabled and enabled
Wireless security	AC 100-240V, 50/60Hz 0.5A DC 12V, 1A
Power supply	Working temperature : 0 ° C -40 ° C Storage temperature : -40 ° C -70 ° C
Working temperature	Working humidity : 10 % -90 % RH non-condensing Storage humidity : 5 % -90 % RH non-condensing



Optical modem



Specification parameters



Model	Main chip brand	Solving scheme	Detailed product description
MG1000S	ECONET	EN7526GT+MT7592N+MT7612EN	Maximum rate : 1010Mbps ; 2.4G : 144Mbps ; 5G : 866Mbps ; 4 Gigabit LAN ports + 1 voice port ; 4 external antennas ; memory : 512MB ; flash : 128MB
MG1200S	ZTE Micro	ZX279131+MT7613AEN+MT7603EN	Maximum rate : 1166Mbps ; 2.4G : 300Mbps ; 5G : 866Mbps ; 4 Gigabit LAN ports + 1 voice port ; 2 external antennas ; memory : 512MB ; flash memory : 128MB, upstream port is 10GPON
MG1200G	ZTE Micro	ZX279128S+MT7612EN+MT7603E	Maximum rate : 1167Mbps ; 2.4G : 300Mbps ; 5G : 867Mbps ; 4 Gigabit LAN ports + 1 voice port ; 4 external antennas ; memory : 128MB ; flash : 128MB
MG1800S	ZTE Micro	ZX279131+MT7905DAN+MT7975DN	Maximum rate : 1774Mbps ; 2.4G : 574Mbps ; 5G : 1201Mbps ; 4 Gigabit + 1 voice port ; 4 external antennas ; support WPS ; memory : 256MB ; flash memory : 128MB, upstream port is GPON
MG3000G	Realtek	RTL9617C-CG+RTL8192XBR-CG+RTL8832CR	Maximum rate : 2976Mbps ; 2.4G : 574Mbps ; 5G : 2402Mbps ; 4 gigabit network ports + 1 voice port, 4 external antennas + 1PCB on-board antenna ; memory : 512MB ; flash memory : 256MB,, uplink port is XGPON.
UNG031R	Realtek	RTL9617C-CG+RTL8192XBR-CG+RTL8832CR	Maximum rate : 2976Mbps ; 2.4G : 574Mbps ; 5G : 2402Mbps ; 4 gigabit network ports + 1 voice port, 2 external antennas + 1PCB on-board antenna ; memory : 512MB ; flash memory : 256MB, the downlink port is GPON, the uplink port is XGPON.
UNG032R	Realtek	RTL9607DQ-CG+RTL8192XBR-CG+RTL8832CR	Maximum rate : 2976Mbps ; 2.4G : 574Mbps ; 5G : 2402Mbps ; 2 Gigabit network ports, 5 built-in antennas ; memory : 256MB ; flash memory : 128MB, upstream port is GPON



Optical modem



Specification parameters



Model	Main chip brand	Solving scheme	Detailed product description
UNG033R	Hisilicon	Hi5682TV100	Maximum rate : 2976Mbps ; 2.4G : 574Mbps ; 5G : 2402Mbps ; 4 Gigabit network ports + 1 voice port, 2 external antennas ; memory : 512MB ; flash memory : 256MB, the downlink port is GPON, the uplink port is XGPON.
UNG034R	Hisilicon	Hi5682TV100	Maximum rate : 2976Mbps ; 2.4G : 574Mbps ; 5G : 2402Mbps ; 2 Gigabit network ports, 6 built-in antennas ; memory : 256MB ; flash memory : 128MB, upstream port is GPON.

04

F O U R



AIGC large model infrastructure solutions



In response to the development requirements of national big data computing, a large cloud computing center is built.

Stability of hardware and software

- GPU quality control, hardware failure, etc.
- GPU driver or kernel-level BUG

The issue of efficiency

- Training data import time is too long
- The performance bottleneck of traditional TCP network
- Insufficient optimization of parallel strategy and communication mode

Low resource utilization.

- The elastic scheduling ability of GPU
- GPU scheduling priority

Insufficient experience in tuning hyperparameters



- > Introduce a number of manufacturers to test until the final selection.
- > Observability and monitoring alarm
- > Adequate standby resources
- > Kernel team with massive public cloud experience

- > Introducing efficient cache for acceleration
- > High performance network system supporting RoCE and InfiniBand
- > DeepSpeed, Megatron-LM, Accelerate and other parallel frameworks are supported.
- > Support NCCL, MPI and other communication backends

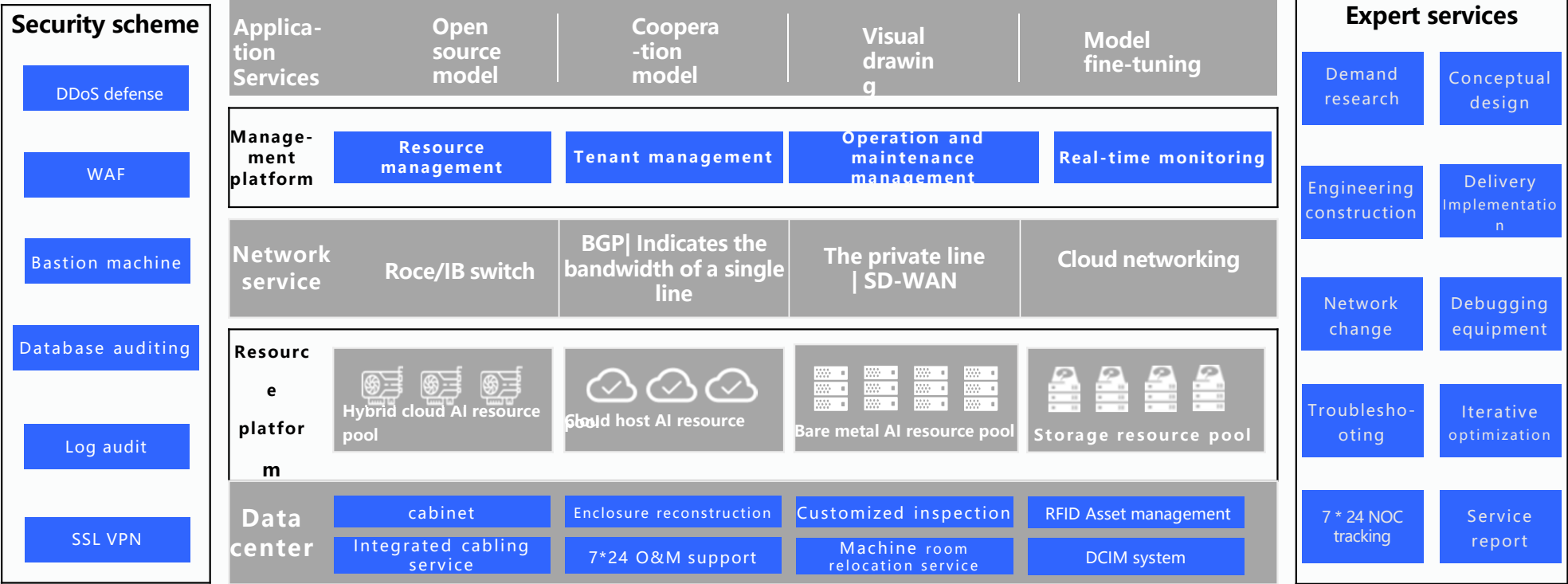
- > Various GPU elastic scheduling capabilities (container scheduling based on Kubernetes or virtual machine scheduling based on self-developed systems)

- > Bayesian optimization
- > Evolutionary algorithms, etc.

AIGC solution panorama

AIGC solutions provide a series of product capabilities such as data centers, resource platforms, network services, management platforms, and application services. The open, secure and customized AIGC solution enables customers to take advantage of existing server resources and enjoy the flexible expansion of public clouds, and ultimately achieve cost reduction and efficiency improvement at the IT level.

And through the data center hosting area, it provides users with physically completely isolated exclusive cabinets, networks, servers, and storage resources. Combined with complete security solutions and expert services, it ensures the smooth operation of users.



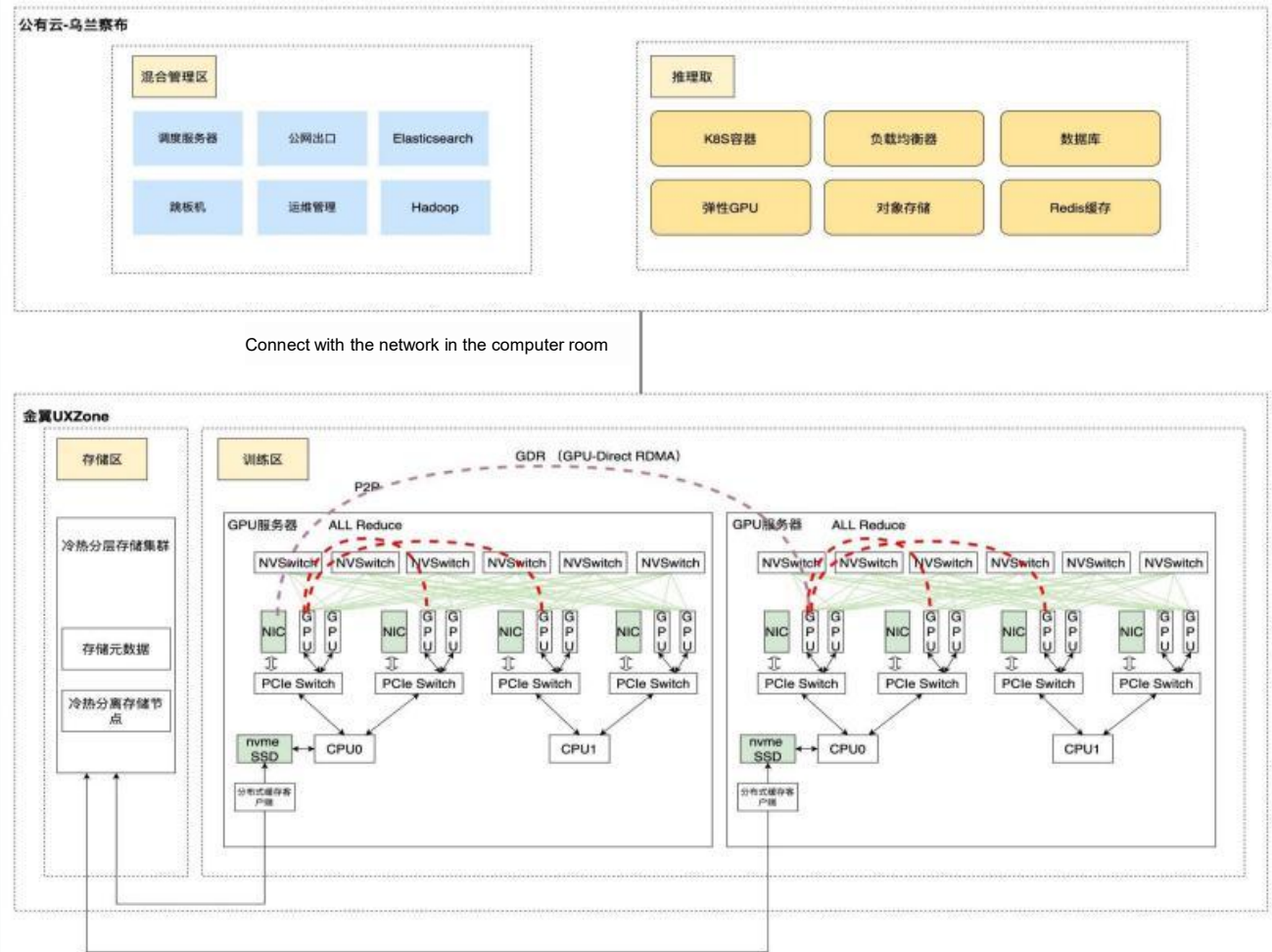
■ Computing power and communication requirements for large model training strategies

Segmentation mode	Communication operation	Traffic (single card)	Communication card number	Calculation time	The need for clusters
Model parallelism (MP)	AllReduce	100GB class	Single-machine 8 card	second	High-speed interconnection within the machine
Parameter grouping (Sharding)	Broadcast /AllGather	100GB class	Single-machine 8 card	second	High-speed interconnection within the machine
Pipelining (PP)	Send / Recv	MB class	Multi machine 2 cards	second	P2P Low latency
Data Parallelism (DP)	AllReduce	GB class	All cards, in groups	ten-second	High throughput AllReduce
Hybrid parallel	All2All	100GB class	hectocalorie	second	The overall network throughput of the cluster is high

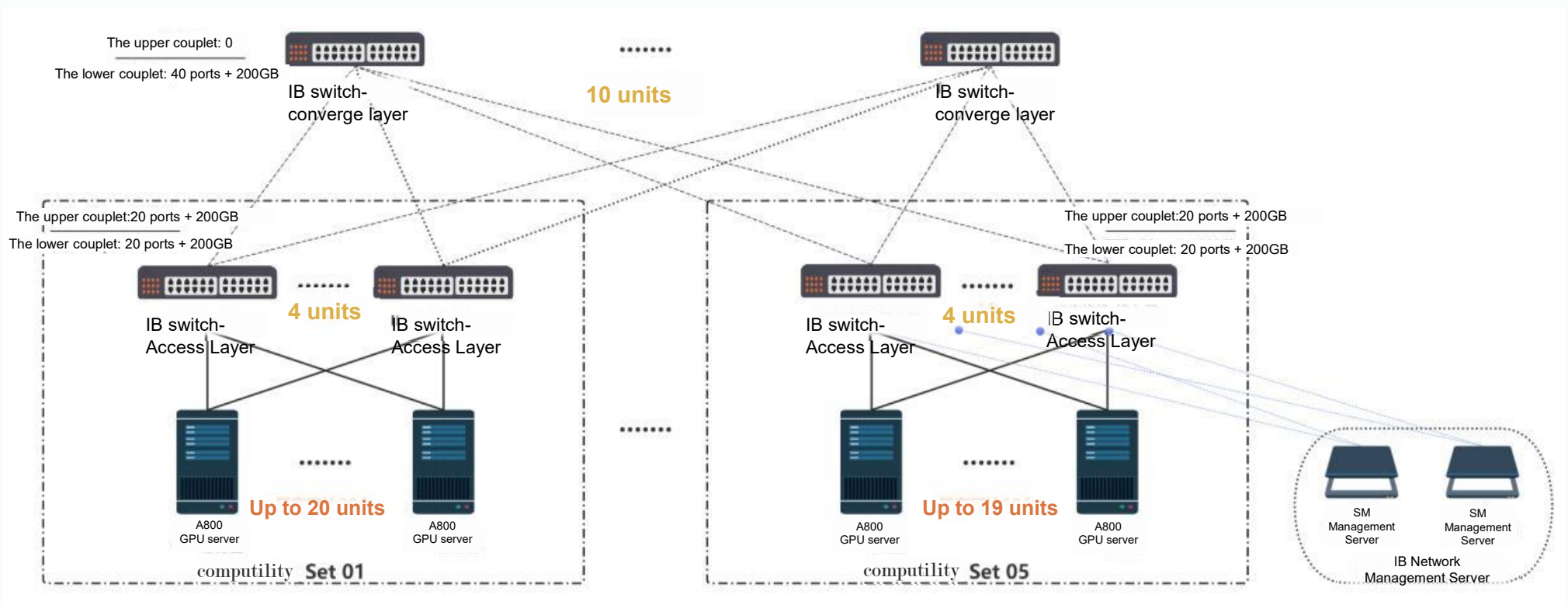
Estimate: GPT-3 pre-training requires 3640PetaFlop/s/day, equivalent to 1024 cards A800, and requires 30 days of training.

AIGC Infrastructure solution architecture

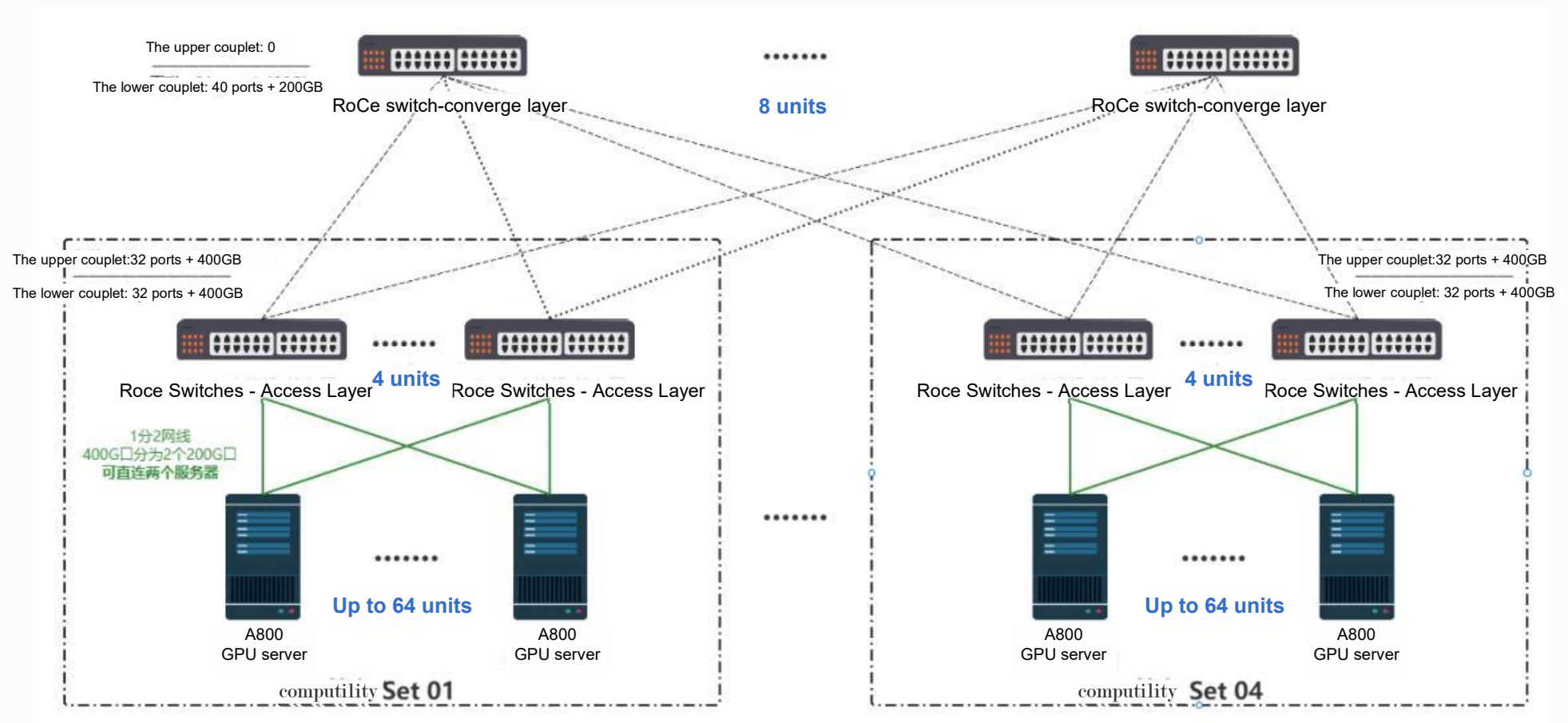
- The training area supports a maximum of 2048 cards for training tasks, and adopts a high-bandwidth and low-latency design to improve training efficiency.
- Based on scenarios with high read/write bandwidth, the storage system is designed to separate hot and cold and supports FUSE and K8S CSI mounting modes, which can meet training requirements and ensure controllable costs.
- The reasoning and service areas use the public cloud, and the internal network of the equipment room is connected to provide flexible and scalable services
- Hybrid management provides logging, scheduling, and public network access functions.



IB Network Solution



RoCE network scheme



AIGC Golden Wing Zone - Overview of the storage area



An overly large data set

The amount of data and the size of the model have exploded, and historical data cannot be easily deleted due to requirements such as compliance and business considerations.



Small files & too much unstructured data

A large number of small files derived from AIGC-related industries have a high burden on metadata storage, especially visual models.



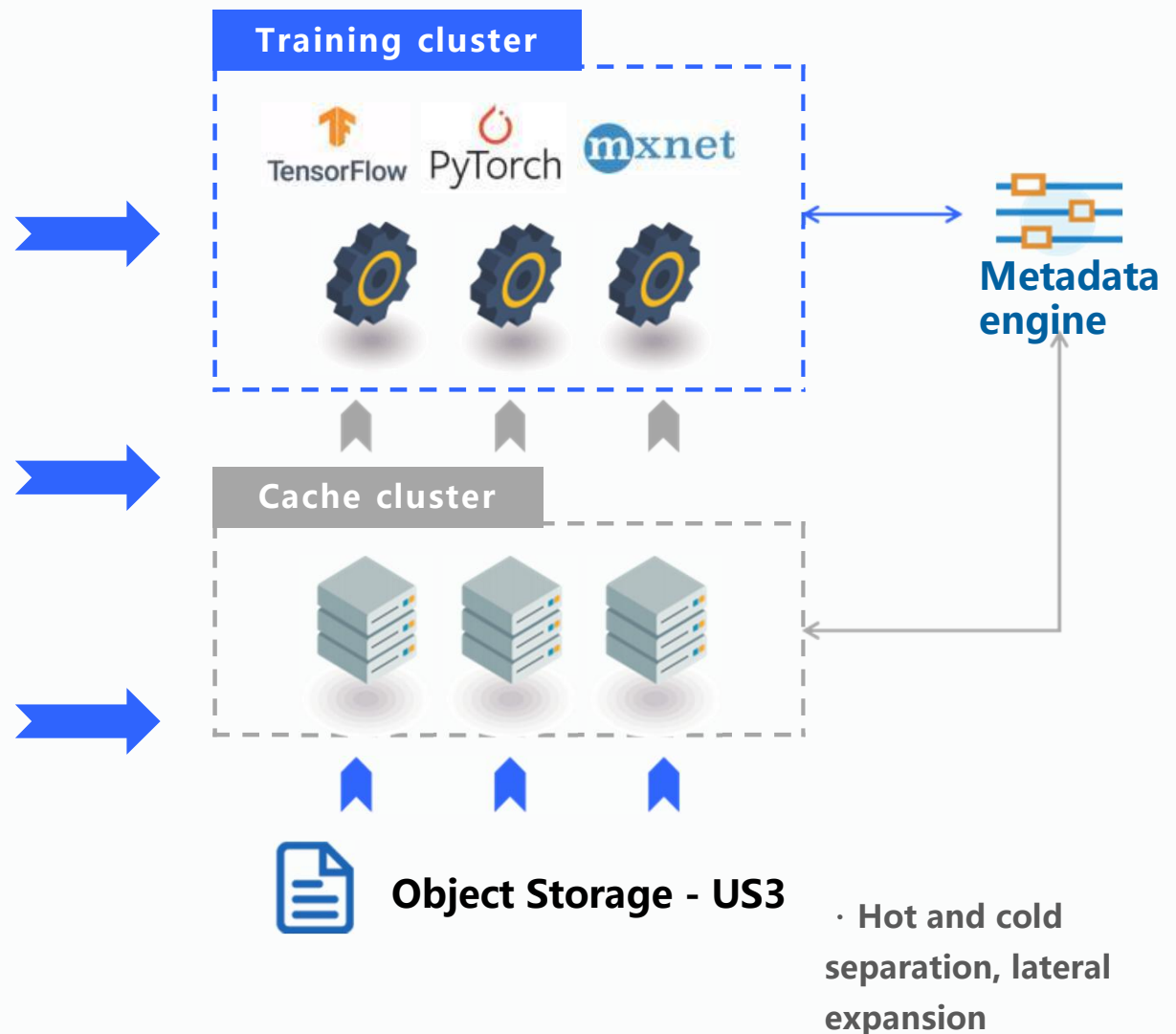
The training framework needs to support the POSIX interface

At present, the initial model construction is based on local resources for initial development and access, so it is extended to large-capacity storage, which needs to provide POSIX interface to reduce code modification.



Public data needs to be shared

Different teams within the company need to share authoritative public data sets to avoid unnecessary data replication and redundancy.



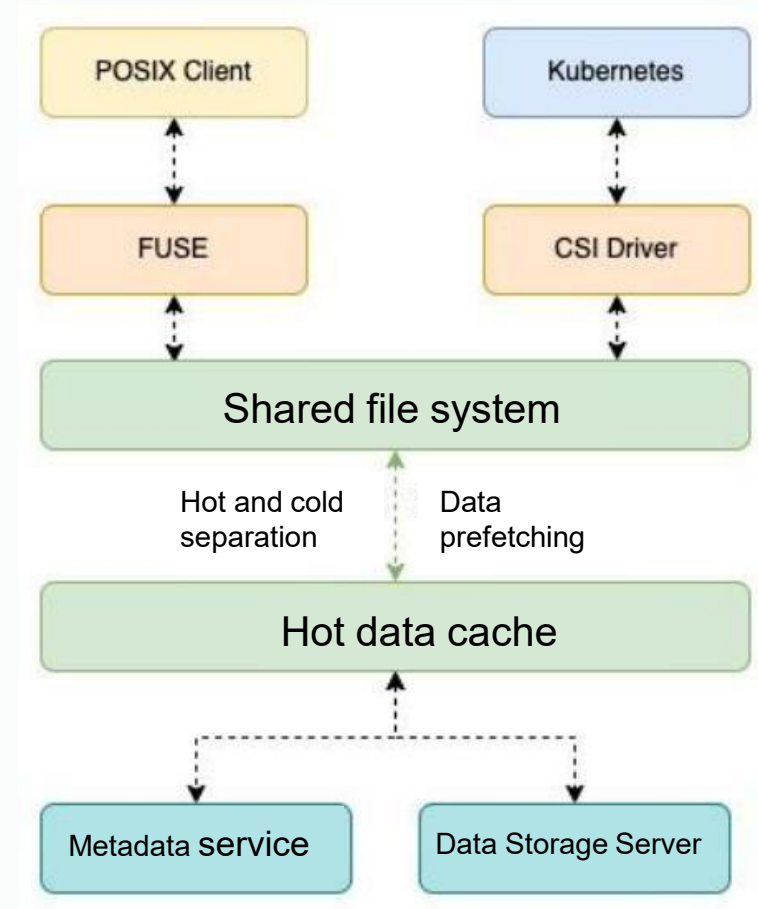
Storage scheme

Scheme:

The hot and cold separation scheme is adopted, the hot data is cached on the GPU server, and the cold data is stored by the object. Maximize the use of GPU server idle CPU resources and save costs.

Dominance:

1. The hot data is cached on the GPU server NVME disk, and the computational performance can be maximized by prefetching.
2. FUSE and K8S CSI are provided to facilitate computing power scheduling.
3. To meet the needs of kilocalories scale training, the cost is optimal.



Service operation guarantee - after-sales service operation

Basic services

Service Desk Support Services	Noc Monitoring Services	7 * 24 shall serve	Hardware Repair Service	Spare Parts Service
Personnel on-site service	Customized reporting service	Active notification push	Technical Documentation	Technical Training Services

Operation

+

Operation and maintenance

+

Full coverage

Personalized service

Machine room equipment relocation	Cabinet customization transformation	System upgrade optimization
Business architecture combing	Construction of early warning scheme	The standard output of the machine room

Operation and maintenance expansion service

Preventive inspection	Configuration change	Routing optimization & testing
Fault diagnosis troubleshooting	Network cutover	Network flow analysis

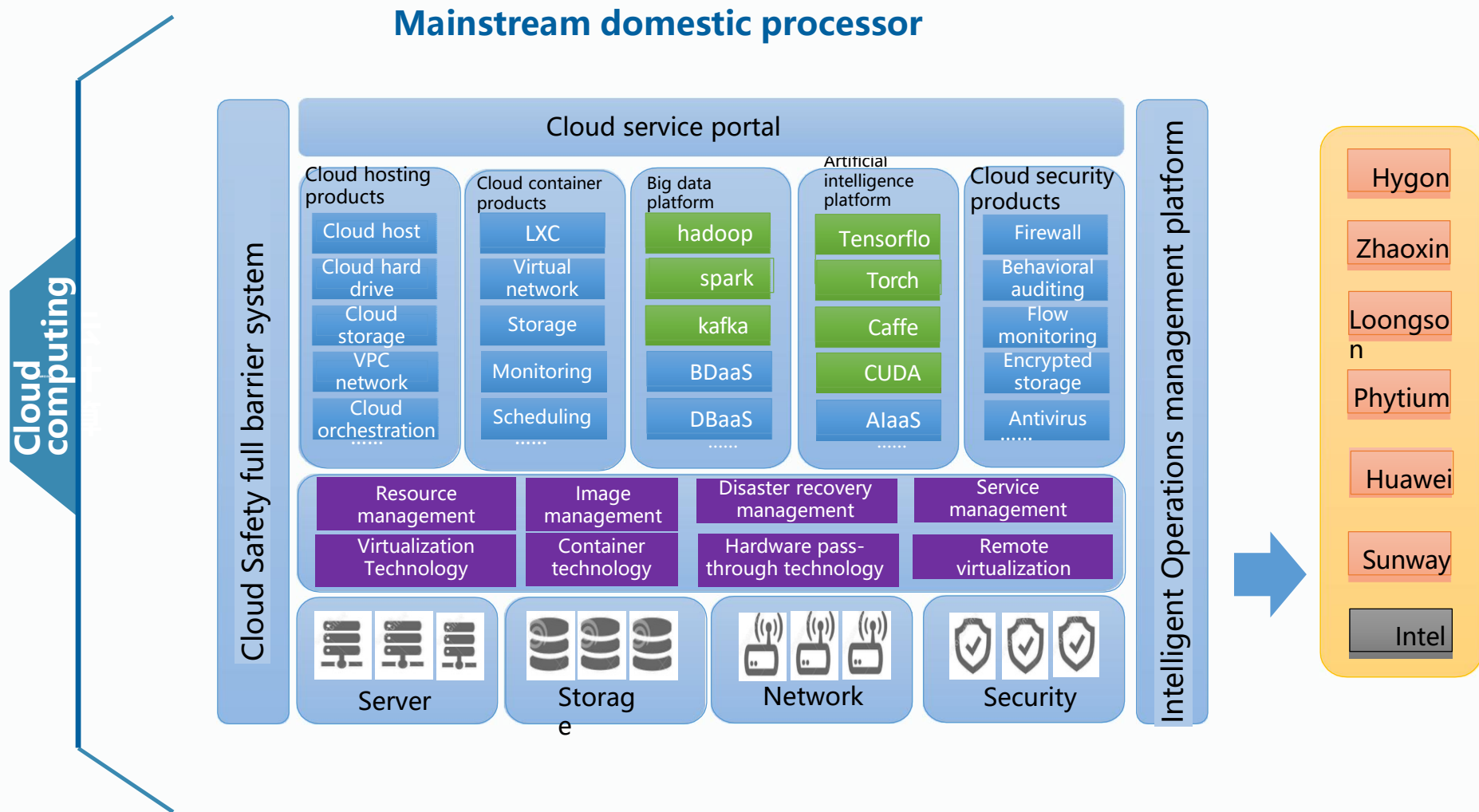
Key security services

Business Disaster Recovery Exercises	Existing service care	Exclusive alarm configuration
Computer room module level sealing network	Rongli planning & preview	Emergency response

Infrastructure operation and maintenance support services

Room on-site inspection	Loading and unloading equipment	Module dielectric plug-in	Hardware consumables provided	Equipment label provided	Security system operation and maintenance
Facilities environmental monitoring	Personnel access management	Equipment in and out management	Asset Management Report	Office space rental	Clean room dust removal

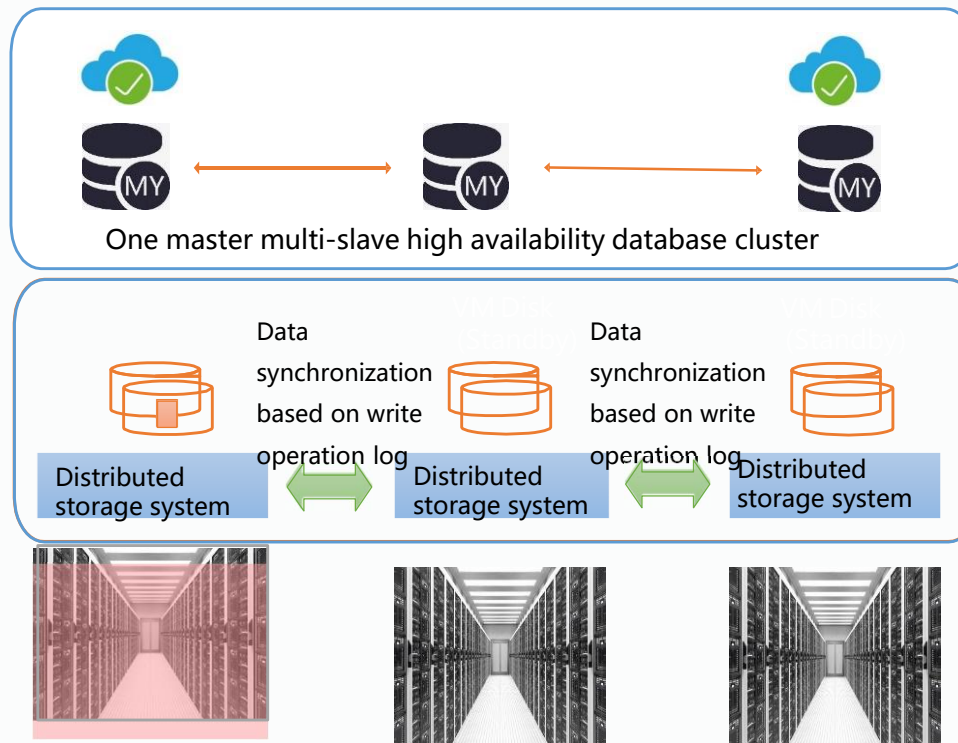
Computing service solutions



Computing service solutions

Cloud computing

Storage disaster recovery architecture



Peculiarity

Multi-center unified resource management

Advantage

Loose coupling, plug and play

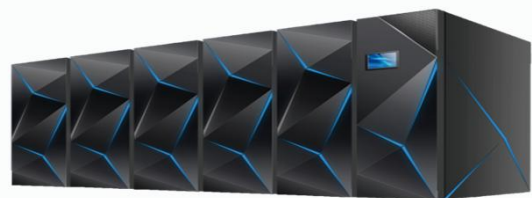
Innovation point

Cross-domain multi-active Dr Architecture

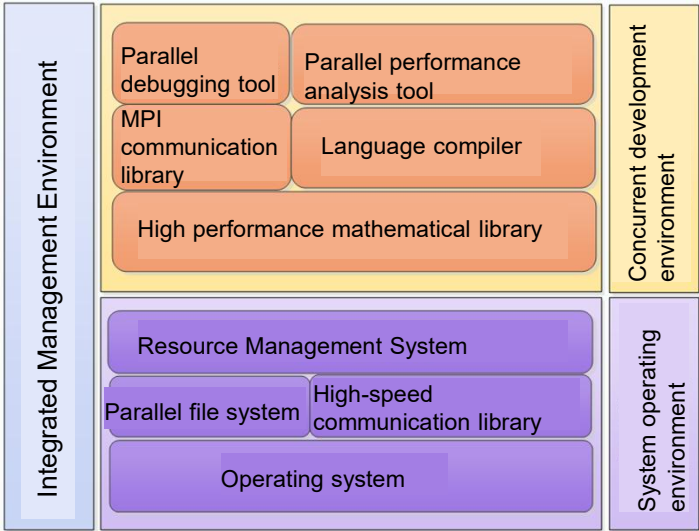
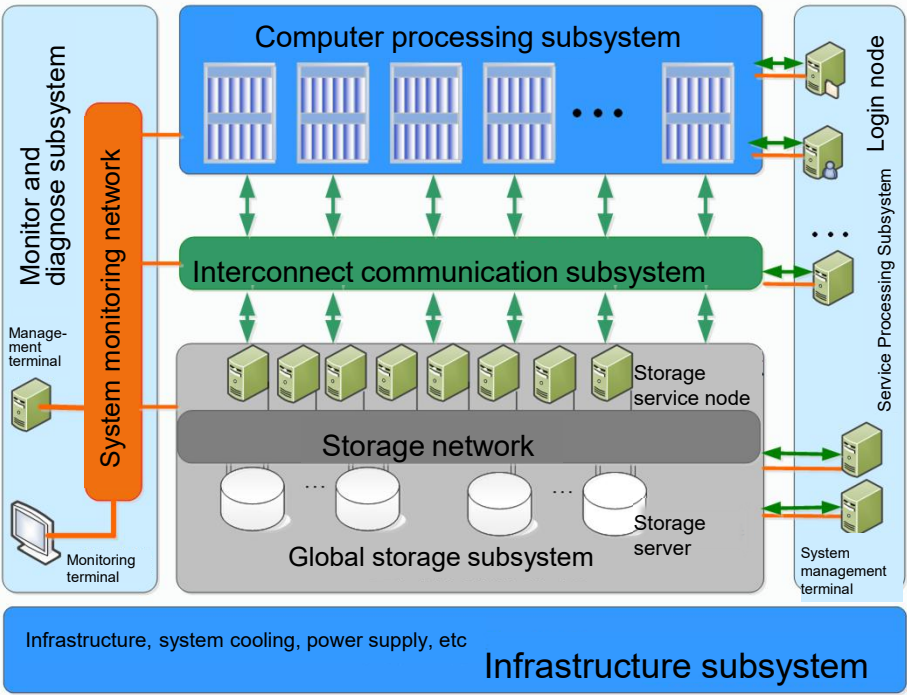
Key technology

High availability architecture of infrastructure, platform and service

■ Computing service solutions



Cloud computing



■ Computing service solutions

Cloud computing



- ◆ Single cabinet can deploy 4 calculation plug-in boxes
- ◆ The single computing plug-in box contains up to 32 domestic high-performance CPUs and 64 heterogeneous AI acceleration cards, leading the industry in computing density.
- ◆ The system has high computational efficiency, up to 260 GFlops / W.
- ◆ Cold plate full liquid cooling, PUE ≤ 1.1
- ◆ Strong scalability, can support tens of thousands of node scale system
- ◆ Support node level, frame level, cabinet system level and other multi-level monitoring and management

➤ Product Highlights

All blades of the product super-converged server, super-node server, heterogeneous acceleration server and other groups are designed for full liquid cooling. The computing blade supports FT2000 + four-node, S2500 two-way, S2500 four-way super node, Intel Xeon two-way, Intel Xeon four-way and other computing architectures. The system can choose 10G / 40G / 100G high-speed interconnection network and Gigabit Ethernet monitoring network, which can meet the needs of independent control and information security of domestic equipment, massive and complex data processing and information processing needs, and provide infrastructure for integrated data application platform.

➤ Typical application scenarios

Application scenarios such as intelligence analysis, knowledge graph analysis, big data storage and retrieval, high-precision simulation, game confrontation training, high-bandwidth cloud services, and high-performance computing.

The background features abstract geometric shapes in various shades of blue and cyan. These shapes are primarily located in the top-left, top-right, and bottom-left corners, creating a modern, layered effect. The central area is a light gray, providing a clean backdrop for the text.

THANKS

