

2U4N-F/X200



- 2U chassis with 4 nodes support 16 x 2.5" HDD, 1600W Redundant (1+1) PSU
- Single SocketP1 Intel Xeon PHI X200 Series Processors (Per node)
- Supports Six Channels DDR4 2400/2133 R DIMM, LR DIMM, 6 x DIMM slots (Per node)
- Supports 4 x 2.5" HDD/SSD per node
- Supports 1x PCIe3.0 x 24, 1 x PCIe3.0 x 8, 1 x M.2 slot, 1 x Mezzanine type A slot (Per node)
- Support 2 x GLAN by Intel i350 (Per node)
- Integrated IPMI 2.0 and KVM with Dedicated LAN (Per node)



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Specifications

<b>System</b>	
Form Factor	- 2U Rackmount
Chassis Model	- 2U4N-F
Dimensions	- 750mm X 442mm X 87mm
Support MB	- Half, 16."x6.5" (X200D6HM x 4)
<b>Front Panel</b>	
Buttons	- Power On/Standby button(per node) - System reset button(per node)
LEDs	- HDD Act/Err/Locat LED - Power LED (Front Panel per Node) - UID LED (Front Panel per Node)
I/O Ports	- 1 x USB 2.0 ports(per node)
<b>Rear IO</b>	
USB 3.0	- 2
Serial Port	- 1
VGA	- 1 x D-Sub
Lan Port	- 2 (GLAN by Intel® i350)+1 (IPMI) Lan port (RJ45) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
UID Button/UID LED	- 1 x UID button(per node) in the rear
<b>External Drive Bay / Storage</b>	
Front Side Drive Bay	- 4 x 2.5" HDD/SSD per node (all SATA/SAS )
Output Watts	- 2 (1+1) 1600W Redundant
Efficiency	- Platinum
Front	- 40 x 56mm x16
<b>Physical Status</b>	
Form Factor	- Half width

Dimensions	- 16"x6.5"
<b>Processor System</b>	
CPU	- Intel® Xeon® PHI X200 Series Processors
Socket	- Single Socket P1
Chipset	- Intel® C612
<b>System Memory</b>	
Capacity	- 6 DIMM slots
Type	- Six Channels memory technology
DIMM Size Per DIMM	- Supports DDR4 2400/21336 LR/R DIMM
Voltage	- 1.2V
<b>Expansion Slot</b>	
PCIe 3.0 x 24	- 1
PCIe 3.0 x 8	- 1
Mezzanine slot	- Mezzanine A1x1(Gen3 x8)
<b>Storage</b>	
SATA Controller	- 10 x SATA3 (8 from mini SAS HD connector, 1 SATA 7pin(SATA5) share with M.2)
Additional Storage Controller	- 2 X OCuLink (PCIe X4/ per OCulink from CPU)
<b>Ethernet</b>	
Interface	- 1000 /100 /10 Mbps by Intel i350
LAN Controller	- 2 x RJ45 GLAN by Intel i350 - 1 x RJ45 Dedicated IPMI LAN port - Supports Wake-On-LAN - Supports Energy Efficient Ethernet 802.3az - Supports Dual LAN with Teaming function - Supports PXE
<b>Management</b>	
BMC Controller	- ASPEED AST2400
IPMI Dedicated GLAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog - NMI
<b>Graphics</b>	
Controller	- ASPEED AST2400
VRAM	- DDR3 16MB
<b>Rear Panel I/O</b>	
VGA Port	- 1 (D-sub)
USB 3.2 Gen1 Port	- 2
Lan Port	- 2 + 1 (IPMI) Lan port (RJ45) - LAN Ports with LED (ACT/LINK LED and SPEED LED)
Serial Port	- 1 (COM PORT)
UID Button/UID LED	- 1
<b>Internal Connector</b>	
Auxiliary Panel Header	- 1
TPM Header	- 1
IPMB Header	- 1
Buzzer	- 1
USB 3.2 (Gen1) Header	- 1 (support 2 USB 3.0)
Type A USB 3.2 (Gen1) Port	- 1
<b>System BIOS</b>	
BIOS Type	- 128Mb AMI UEFI Legal BIOS

BIOS Features	<ul style="list-style-type: none"><li>- Plug and Play (PnP)</li><li>- ACPI 2.0 Compliance Wake Up Events</li><li>- SMBIOS 2.8 Support</li></ul>
<b>Hardware Monitor</b>	
Temperature	<ul style="list-style-type: none"><li>- CPU Temperature Sensing</li><li>- System Temperature Sensing</li><li>- Card Side Temperature Sensing</li></ul>
Fan	<ul style="list-style-type: none"><li>- CPU/Rear/Front Fan Tachometer</li><li>- CPU/Rear/Front Fan Multi-Speed Control</li></ul>
Voltage	- Voltage Monitoring: CPU1/2, VCCM_AB/CD/EF/GH, +1.50_PCH, 3V/5V/ 12V, +1.05V_PCH, +BAT, 3VSB, 5VSB
<b>Environment</b>	
Temperature	Operation temperature: 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C

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