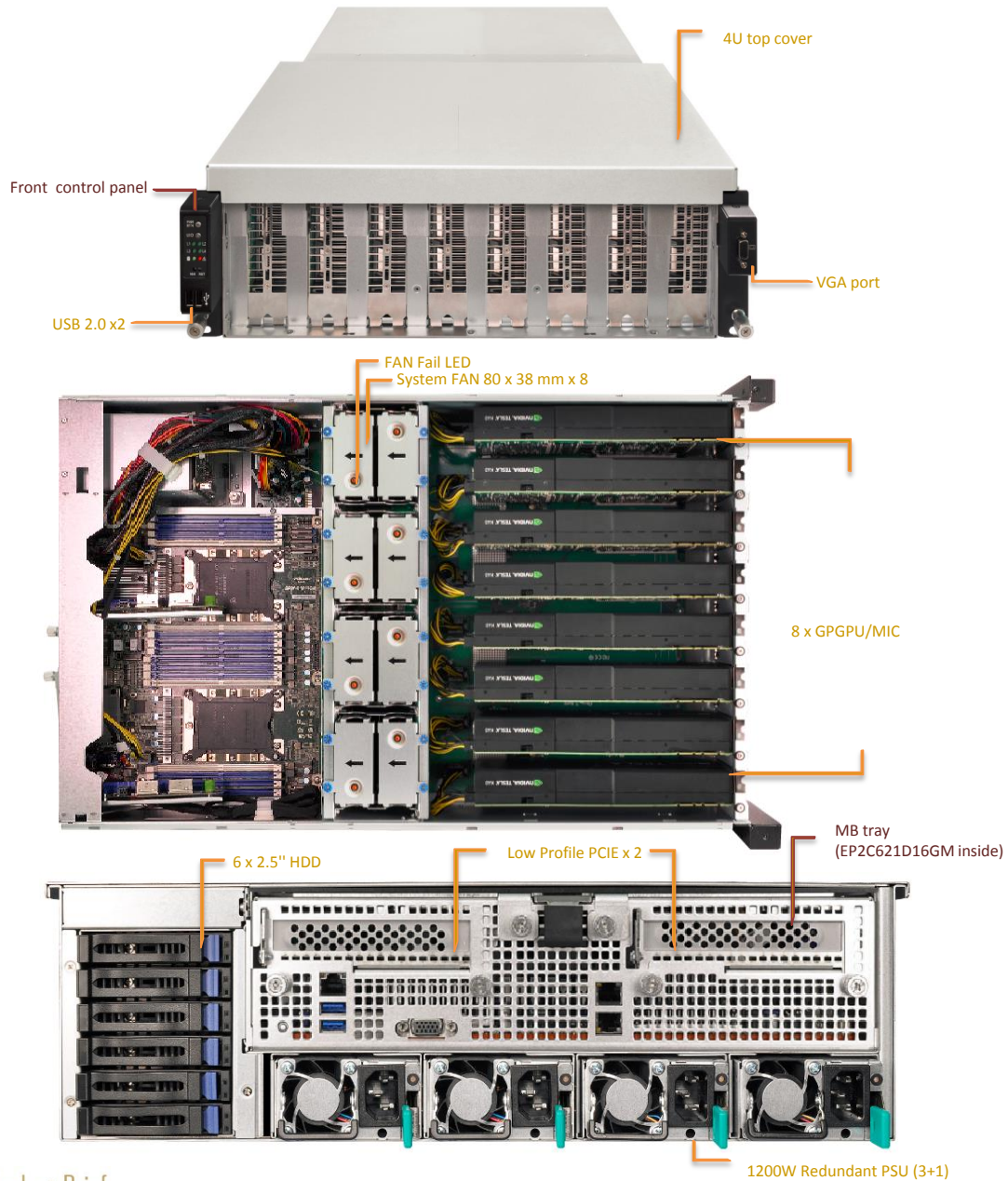




## 3U8G+/C621



### Product Brief

- 3U Rackmount with 1200W Redundant PSU (3+1)
- Dual Socket P (Purley) Intel® Xeon® Scalable Processors
- Support 16 x DDR4 DIMM slot, 2666/2400 RDIMM, LR DIMM
- Supports 8 x GPGPU/MIC card or 8 x GPGPU/MIC
- Supports Intel i350 Dual GLAN
- Supports 6 x SATA3 6.0 Gb/s or 6 x SAS 12 Gb/s Hot Swap Bay
- Supports 2 x PCIe card



## Product Specifications

System	
Form Factor	- 3U Rackmount
Chassis Model	- 3U8G+/C621
Dimensions	- 722.3 x 430 x 170.35 mm
Support MB	- EATX, 12 x 10.56 inch (EP2C621D16GM)
System Front Panel	
Front control Panel	
Buttons	- Power button
	- UID button
	- Reset button
	- NMI button
LEDs	- 2 x LAN LEDs (L1 , L2 , LED)
	- 2 x Front LEDs
	- HDD LED
	- System event LED
I/O Ports	- 2 x USB 2.0 ports
	- VGA port x1
MB tray(EP2C621D16GM inside)	
Slimline CONN	- 4 ( for 2 x Low Profile PCIE card (one x8 , another x16)
USB 2.0	- 2
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
External Drive Bay	
Front Side Drive Bay	- 6 Bay 2.5" SATA HDD (6Gb/s) or 6 x SAS (12Gb/s)
Power Supply	
Type	- 4 (3+1), Redundant
Output Watts	- 1200W, Platinum
System Fan	
Fan	- 80 x 38 mm x 8
FAN Fail LED	- Abnormal(DC on): LED ON (Solid Red)
	- Normal: LED OFF (For the FAN in the center)
System Switch board	
Switch IC	- PLX 8747
GPGPU card	
GPGPU Watts	- Max 300w /per card
Support GPGPU	- 8 x GPGPU card or 8 x GPGPU/MIC



<b>Motherboard</b>	<b>EP2C621D16GM</b>
<b>MB Physical Status</b>	
Form Factor	- SSI CEB
Dimensions	- 12" x 10.5" (30.5 cm x 26.7 cm)
<b>Processor System</b>	
CPU	- Supports Intel® Xeon® Scalable Processors
Socket	- Dual Socket P
Chipset	- C621
<b>System Memory</b>	
Capacity	- 16 DIMM slots
Type	- 6 Channel DDR4 memory technology 2666/2400/2133 R DIMM/LR DIMM
Voltage	- 1.2V
<b>Storage</b>	
SATA Controller	- PCH: 8 x SATA3 + 1 x M.2
<b>Ethernet</b>	
Interface	- 1000 /100 /10 Mbps
LAN Controller	- 2 x RJ45 GLAN by Intel i350
<b>Management</b>	
BMC Controller	- ASPEED AST2500
IPMI Dedicated LAN	- 1 x Realtek RTL8211E for dedicated management GLAN
Features	- Watch Dog
	- NMI
<b>Graphics</b>	
Controller	- ASPEED AST2500
VRAM	- DDR4 4GB
<b>Rear Panel I/O</b>	
VGA Port	- 1 x D-Sub
USB 3.0 Port	-2
Lan Port	1 (IPMI) Lan port (RJ45)
	- LAN Ports with LED (ACT/LINK LED and SPEED LED)
UID Button/UID LED	-1
<b>Internal Connector</b>	
Auxiliary Panel Header	- 1 (includes chassis intrusion, location button & LED, front LAN LED)
TPM Header	-1
IPMB Header	-1
Front VGA Header	-1
Fan Header	- 2x CPU Fan, 2x system Fan (6-pin)
ATX Power	- 1 (24-pin) + 2 (8-pin)
M.2	- 1 (up to 2280)
<b>System BIOS</b>	
BIOS Type	- 256Mb AMI UEFI Legal BIOS
BIOS Features	- Plug and Play (PnP)
	- ACPI 2.0 Compliance Wake Up Events
	- SMBIOS 2.8 Support

	- ASRock Rack Instant Flash
<b>Hardware Monitor</b>	
Temperature	- CPU Temperature Sensing
	- System Temperature Sensing
	- Card Side Temperature Sensing
Fan	- CPU/Rear/Front Fan Tachometer
	- CPU Quiet Fan (Allow CPU Fan Speed Auto-Adjust by CPU Temperature)
	- CPU/Rear/Front Fan Multi-Speed Control
Voltage	- Voltage Monitoring: CPU1/2, VCCM_AB/CD/EF/GH, +1.50_PCH, 3V/5V/ 12V, +1.05V_PCH, +BAT, 3VSB, 5VSB