X12DPL-i6

12" x 10"

Key Features

3rd Gen Intel® Xeon® Scalable processors
Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 185W TDP, 2 UPI up to 11.2 GT/s

Intel® C621A

Up to 2TB RDIMM, DDR4-3200MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-3200MHz, in 8 DIMM slots

4 PCI-E 4.0 x16
M.2 Interface: 2 PCI-E 4.0 x4
M.2 Form Factor: 2280/22110, 2280
M.2 Key: M-Key

Intel® C621A controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Dual LAN with Intel® i210 Gigabit Ethernet Controller

1 VGA port

Product SKUs

MBD-X12DPL-i6	X12DPL-i6

Physical Stats

Form Factor	ATX
Dimension	12.23" x 10" (31.06cm x 25.4cm)

Processor

CPU	- 3rd Gen Intel® Xeon® Scalable processors - Dual Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 185W TDP, Dual UPI up to 11.2 GT/s

System Memory

Memory Capacity	- 8 DIMM slots - Up to 2TB 3DS ECC LRDIMM, DDR4-3200MHz; Up to 2TB ECC RDIMM, DDR4-3200MHz
Memory Type	- 3200/2933/2666MHz ECC DDR4 LRDIMM (3DS), RDIMM
DIMM Sizes	- 256GB - LRDIMM: 256GB - RDIMM: 256GB
Memory Voltage	- 1.2V
Error Detection	- Corrects single-bit errors - Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	- Intel® C621A
SATA	- Intel® C621A controller for 12 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	- ASPEED AST2600 BMC
Graphics	- ASPEED AST2600 BMC
Network Controllers	- Dual LAN with Intel® i210 Gigabit Ethernet Controller

Input / Output

LAN	- 2 RJ45 Gigabit Ethernet LAN ports
USB	- 5 USB 3.2 Gen1 port(s) (2 via header; 2 rear; 1 type A)
Video Output	- 1 VGA port(s)
Serial Port	- 1 COM Port(s) (1 header)
DOM	- 2 SATA DOM (Disk on Module) power connector support
TPM	- 1 TPM Header

Expansion Slots

PCI-E	- 4 PCI-E 4.0 x16
M.2	- M.2 Interface: 1 PCI-E 4.0 x4; 1 PCI-E 4.0 x4 - Form Factor: 2280/22110, 2280 - Key: M-Key, M-Key

System BIOS

BIOS Type	- AMI UEFI

Management

Software	- SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, IPMI2.0, Watchdog
System Management Software	- IPMICFG, IPMIView for Linux/Windows, SMCIPMITool
Power Configurations	- ACPI Power Management

PC Health Monitoring

Voltage	- Supports system management utility, Monitors CPU voltages, Chassis intrusion header, 3.3V standby, +5V standby, +5V, +3.3V, +12V, 8 -fan status
LED	- UID/Remote UID - BMC/IPMI Heartbeat LED
Temperature	- CPU thermal trip support - PECI
FAN	- 8x 4-pin fan headers (up to 8 fans) - PWM fan speed control - Overheat LED indication
Other Features	- UID, Node Manager Support, Dual Cooling Zones, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion header, Chassis intrusion detection, ATX Power connector, ACPI power management, RoT, NCSI header

Operating Environment

Operating Temperature Range	- 10°C - 35°C (50°F - 95°F)
Non-Operating Temperature Range	- -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	- 8% - 90% (non-condensing)
Non Operating Relative Humidity Range	- 5% - 95% (non-condensing)