X11DPT-L (For SuperServer Only)

Key Features

2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors,

Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 140W TDP, 2 UPI up to 10.4 GT/s

Intel® C621

Up to 2TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz, in 8 DIMM slots

1 PCIe 3.0 x16

Intel® C621 controller for 2 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Dual LAN with 1GbE with Marvell® 88E1512

1 VGA D-Sub Connector port

Optimized Servers

SYS-6029TR-DTR

SYS-6029TR-HTR

Specifications

Product SKUs
MBD-X11DPT-L

Physical Stats
Form Factor
Proprietary Twin
Dimension
6.8" x 16.64" (17.27cm x 42.27cm)

Processor
CPU
2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors
Dual Socket LGA-3647 (Socket P) supported, CPU TDP supports Up to 140W TDP, Dual UPI up to 10.4 GT/s
Core
Up to 28 cores
Note
BIOS version 3.2 or above is required to support 2nd Gen Intel® Xeon® Scalable processors (codenamed Cascade Lake-R)

System Memory
Memory Capacity
8 DIMM slots
Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC RDIMM, DDR4-2933MHz
Memory Type
2933/2666/2400/2133 MT/s ECC DDR4 LRDIMM (3DS), RDIMM (3DS)
DIMM Sizes
LRDIMM: 128GB
RDIMM: 64GB
Memory Voltage
1.2V
Error Detection
Corrects single-bit errors
Detects double-bit errors (using ECC memory)

On-Board Devices
Chipset
Intel® C621
SATA
Intel® C621 controller for 2 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI
ASPEED AST2500
Graphics
1 ASPEED AST2500 BMC port(s)
Network Controllers
Dual LAN with 1GbE with Marvell® 88E1512

Input / Output
LAN
2 RJ45 Gigabit Ethernet LAN ports
USB
2 USB 3.0 port(s) (2 rear)
Video Output
1 VGA D-Sub Connector port(s)
Serial Port
1 COM Port(s) (1 rear)
DOM
2 SATA DOM (Disk on Module) power connector support
TPM
1 TPM Header

Expansion Slots
PCIe
1 PCIe 3.0 x16

System BIOS
BIOS Type
32MB AMI SPI Flash ROM with UEFI

Management
Software
SuperDoctor® 5, NMI, SUM, KVM with dedicated LAN, SPM, Intel® Node Manager, SSM, Watchdog, IPMI (Intelligent Platform Management Interface) v2.0 with KVM support
System Management Software
IPMI (Intelligent Platform Management Interface) v1.5 / 2.0 with KVM support

PC Health Monitoring
Voltage
VBAT, System level control, Supports system management utility, Monitors CPU voltages, HT, 1.2V (VDIMM), +5V standby, +5V, +3.3V
LED
Suspend static indicator LED
CPU / System Overheat LED
Temperature
Adaptive Thermal Monitor, PECI 3.0
FAN
Fan speed control
Pulse Width Modulated (PWM) fan connectors
Other Features
CPU thermal trip support for processor protection

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)

Parts List