

SuperServer 5018D-LN4T



Key Features

- Compact Network Appliance
- FireWall Applications
- Software Defined WAN
- 7 year life cycle

1. Intel® Pentium® processor D1508, Single socket FCBGA 1667; 2-Core, 4 Threads, 25W
2. Intel® System-on-Chip Design
3. 1x 3.5" fixed drive bay or up to 4x 2.5" fixed drive bays
4. 1x PCI-E 3.0 x8 slot, M.2 PCIe 3.0 x4, M Key 2242/2280/22110, Mini-PCIe w/ mSATA support
5. Up to 128GB ECC RDIMM DDR4 1866MHz or 64GB ECC/non-ECC UDIMM in 4 sockets
6. Dual 10G SFP+ and dual 1GbE LAN
7. DOM power connector
8. 200W Low-noise power supply w/ PFC

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Note: Image above may show a varied configuration or optional parts, Please refer to parts list for standard parts included.

Specifications

Product SKUs	
SYS-5018D-LN4T	▪ SuperServer 5018D-LN4T (Black)
Motherboard	
<u>Super X10SDV-2C-TP4F</u>	
Processor/Cache	
CPU	▪ Intel® Pentium® processor D1508, 2.2GHz-2.6GHz; CPU TDP support 25W ▪ FCBGA 1667
Cores / Cache	▪ 2 Cores, 4 Threads / 3MB
System Memory	
Memory Capacity	▪ 4x DDR4 DIMM sockets ▪ Supports up to 128GB DDR4 ECC RDIMM ▪ Supports up to 64GB DDR4 ECC/non-ECC UDIMM
Memory Type	▪ 1866/1600MHz ECC DDR4 ECC RDIMM and ECC/Non-ECC UDIMM

Chassis	
Form Factor	▪ 1U Rackmount
Model	▪ <u>CSE-504-203B</u>
Dimensions and Weight	
Height	▪ 1.7" (43mm)
Width	▪ 17.2" (437mm)
Depth	▪ 9.8" (249mm)
Weight	▪ Net Weight: 8 lbs (3.63 kg) ▪ Gross Weight: 12 lbs (5.44 kg)
Available Colors	▪ Black
Front Panel	
Buttons	▪ Power On/Off button ▪ System Reset button
LEDs	▪ Power LED ▪ Hard drive activity LED ▪ 2x Network activity LEDs ▪ System Overheat LED ▪ Information LED (temp., status)

DIMM Sizes	<ul style="list-style-type: none"> 32GB, 16GB, 8GB, 4GB
Memory Voltage	<ul style="list-style-type: none"> 1.2 V
Error Detection	<ul style="list-style-type: none"> Corrects single-bit errors Detects double-bit errors (using ECC memory)

On-Board Devices

Chipset	<ul style="list-style-type: none"> System on Chip
SATA	<ul style="list-style-type: none"> SoC controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10 RSTe
Network Controllers	<ul style="list-style-type: none"> Dual 10G SFP+ from D-1500 SoC Dual 1GbE with Intel I210
IPMI	<ul style="list-style-type: none"> Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Video	<ul style="list-style-type: none"> Aspeed AST2400

Input / Output

SATA	<ul style="list-style-type: none"> 4x SATA3 (6Gbps) ports
LAN	<ul style="list-style-type: none"> 2x 10G SFP+ LAN ports 2x 1GbE LAN ports 1x Dedicated IPMI LAN port
USB	<ul style="list-style-type: none"> 2x USB 3.0 ports (rear) 5x USB 2.0 ports (4 via headers, 1 Type A)
Serial Port / Header	<ul style="list-style-type: none"> 1x COM port (header)
DOM	<ul style="list-style-type: none"> 2x SuperDOM (Disk on Module) power connectors
Video	<ul style="list-style-type: none"> 1x VGA port
TPM	<ul style="list-style-type: none"> TPM 2.0 header

Expansion Slots

PCI-E	<ul style="list-style-type: none"> 1x PCIe 3.0 x8 slots M.2 PCIe 3.0 x4, M Key 2242/2280/22110 Mini-PCIe with mSATA support
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Drive Bays

HDD	<ul style="list-style-type: none"> 1x 3.5" or up to 4x 2.5" Fixed drive bays
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System Cooling

Fans	<ul style="list-style-type: none"> 1x 40x28mm 13K RPM 4-pin PWM fan
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Power Supply

200W Low Noise AC-DC power supply with PFC	
AC Voltage	<ul style="list-style-type: none"> 100 - 240V, 50-60Hz, 2.6 Amp Max
+5V	<ul style="list-style-type: none"> 8.0 Amp (max.)
+5V standby	<ul style="list-style-type: none"> 2.0 Amp (max.)
+12V	<ul style="list-style-type: none"> 16 Amp (max.)
-12V	<ul style="list-style-type: none"> 0.5 Amp (max.)
+3.3V	<ul style="list-style-type: none"> 8.0 Amp (max.)

Certification



Gold Certified

System BIOS

BIOS Type	<ul style="list-style-type: none"> 128Mb SPI Flash with AMI BIOS
BIOS Features	<ul style="list-style-type: none"> PCI 3.0 ACPI 5.0 USB Keyboard support Hardware BIOS Virus protection SMBIOS 2.8 UEFI 2.4 RTC (Real Time Clock) Wakeup

Operating Environment / Compliance

RoHS	<ul style="list-style-type: none"> RoHS Compliant
Environmental Spec.	<ul style="list-style-type: none"> Operating Temperature: 10°C to 40°C (50°F to 104°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (non-condensing)

Parts List

Parts List - (Items Included)

	Part Number	Qty	Description
Motherboard / Chassis	MBD-X10SDV-2C-TP4F	1	Super X10SDV-2C-TP4F Motherboard
	CSE-504-203B	1	1U Chassis
Cable 1	CBL-SAST-0538	1	29cm 30AWG SATA S-RA cable,HF,RoHS/REACH,PBF
Cable 2	CBL-0082L	1	Y split , big 4 pin to two RA SATA power extension 15cm, 18AWG
Fan	FAN-0065L4	1	4028mm 13K RPM 4-PIN PWM FAN for SC813MF, SC113M
Label	LBL-0997	1	Fan Warning Label 30x11mm,RoHS/REACH
Parts	MCP-260-00100-0B	1	1U I/O Shield
Riser Card	RSC-RR1U-E8	1	RSC-RR1U-E8 (Rev 4.00)
Rear Window	MCP-240-00091-0N	2	1U riser card bracket for standard chassis,HF,RoHS/REACH,PBF
Power Supply	PWS-203-1H	1	1U 200W Multi-output 80Plus Gold PWS

Optional Parts List

	Part Number	Qty	Description
HDD Bracket	MCP-220-00044-0N	-	Dual 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U
HDD Bracket	MCP-220-00051-0N	-	Single 2.5" fixed HDD bracket for SC502, 503, 510, 512, 515U