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Integrated Board



X10SDV-8C-TLN4F

Available Colors: Black 

▶ Drivers & Utilities

▶ BIOS

▶ IPMI

▶ Tested Memory

▶ Tested HDD

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Key Features

- Front I/O
 - Space-efficient, compact design
 - Less than 10" depth
 - Best Performance per Watt
 - Fast to build and deploy
1. Intel® Xeon® processor D-1541 ,
Single socket FCBGA 1667;
8-Core, 45W

2. 2x 3.5" or 4x 2.5" SATA3 drive bays;
3.5" peripheral bay, 2.5" optional

3. 1x PCI-E 3.0 x16, 1x M.2 PCI-E 3.0 x4 ,
M Key 2242/2280slot

4. Up to 128GB ECC RDIMM DDR4
2133MHz or 64GB ECC/non-ECC
UDIMM in 4 sockets

5. Dual 10GbE LAN and Intel® i350-AM2
dual port GbE LAN

6. DOM power connector

7. 200W Low-noise power supply w/ PFC

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-FN4T	SuperServer 5018D-FN4T (Black)	
Motherboard		
Super X10SDV-8C-TLN4F		
Processor/Cache		
CPU	<ul style="list-style-type: none">Intel® Xeon® processor D-1541FCBGA 1667 supportedCPU TDP support 45WSystem-on-Chip	
System Memory		
Memory Capacity	<ul style="list-style-type: none">4x DDR4 DIMM socketsSupports up to 128GB DDR4 ECC RDIMMSupports up to 64GB DDR4 ECC/non-ECC UDIMM	
Memory Type	<ul style="list-style-type: none">2133/1866/1600MHz ECC DDR4 SDRAM	
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 errorsDetects double-bit errors (using ECC memory)	
On-Board Devices		
SATA	<ul style="list-style-type: none">SoC controller for SATA3 (6Gbps) ports	
Network Controllers	<ul style="list-style-type: none">Dual LAN via Intel® i350-AM2 Gigabit EthernetDual LAN via SoC 10GBase-TVirtual Machine Device Queues reduce I/O overheadSupports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output1x Realtek RTL8201N PHY (dedicated IPMI)	
	<ul style="list-style-type: none">Support for Intelligent Platform Management Interface v2.0IPMI 2.0 with virtual media over LAN and KVM-over-LAN support	
	Graphics	<ul style="list-style-type: none">BMC integrated ASPEED AST2400
Input / Output		
SATA	<ul style="list-style-type: none">6x SATA3 (6Gbps) ports	
LAN	<ul style="list-style-type: none">2x RJ45 Gigabit Ethernet LAN ports2x RJ45 10GBase-T ports1x RJ45 Dedicated IPMI LAN port	
USB	<ul style="list-style-type: none">2x USB 3.0 ports (rear)	
Serial Port	<ul style="list-style-type: none">1x COM port (header)	
DOM	<ul style="list-style-type: none">1x SATA DOM (Disk on Module) power connector	
VGA	<ul style="list-style-type: none">1x VGA Port	
Others	<ul style="list-style-type: none">TPM 1.2 header	

Chassis	
Form Factor	<ul style="list-style-type: none">1U Rackmount
Model	<ul style="list-style-type: none">CSE-505-203B
Dimensions and Weight	
Height	<ul style="list-style-type: none">1.7" (43mm)
Width	<ul style="list-style-type: none">17.2" (437mm)
Depth	<ul style="list-style-type: none">9.8" (249mm)
Weight	<ul style="list-style-type: none">Net Weight: 8 lbs (3.62 kg)Gross Weight: 12 lbs (5.44 kg)
Available Colors	<ul style="list-style-type: none">Black
Front Panel	
Buttons	<ul style="list-style-type: none">Power On/Off buttonSystem Reset button
LEDs	<ul style="list-style-type: none">Power LEDHard drive activity LED2x Network activity LEDsSystem Overheat LEDInformation LED (temp., status)
Expansion Slots	
PCI-E	<ul style="list-style-type: none">1x PCI-E 3.0 x16 slot slot1x M.2 PCI-E 3.0 x4, M Key 2242/2280
Drive Bays	
HDD	<ul style="list-style-type: none">2x 3.5" or 4x 2.5" internal SATA3 hard drive bays (optional) *
System Cooling	
Fans	<ul style="list-style-type: none">Passive Heatsink, 40mm chassis fan
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	<div><div><div>80</div><div>PLUS</div><div>GOLD</div></div><div>Gold Certified</div></div>
System BIOS	
BIOS Type	<ul style="list-style-type: none">64Mb SPI Flash EEPROM with AMI UEFI BIOS
BIOS Features	<ul style="list-style-type: none">Plug and Play (PnP)APM 1.2DMI 2.3PCI 2.3ACPI 1.0 / 2.0 / 3.0 / 4.0USB Keyboard supportHardware BIOS Virus protectionSMBIOS 2.7.1UEFIRTC (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 35°C (50°F to 95°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

[See Parts List](#)

* 1x 3.5" or 2x 2.5" SATA3 with riser card