SuperServer E300-12C

Integrated Board

(/en/products/motherboard/X12SCV-LVDS)
Super X12SCV-LVDS
(/en/products/motherboard/X12SCV-LVDS)

Key Applications

- Surveillance Security Server
- AI Inference and Machine Learning
- Digital Signage
- Medical Applications

Key Features

1. Single Socket H5 (LGA-1200) supports:
   10th Gen. Intel® Core™
   i9/i7/i5/i3/ Processor,
   Intel® Xeon® W-1200 Processors

2. Intel® W480E chipset

3. 2 Fixed 2.5" drive bays with
   bracket (when AOC area is not occupied)
   Or 1 Fixed 2.5" drive bay with AOC support

4. Up to 64GB DDR4 ECC/non-ECC SO-DIMM,
   DDR4-2933MHz, in 2 DIMM slots

5. 1 PCI-E 3.0 x16 (16/NA or 8/8);
   1 M.2 M-Key SATA/PCI-E 3.0 x4, 2242/2280;
   1 M.2 E-Key CNVi/PCI-E 3.0 x1, 2230

6. 2x 1GbE LAN ports

7. 4 USB 2.0 ports (4 via headers);
   4 USB 3.2 Gen2 ports (4 Rear Type A)

8. 2 HDMI, 1 DP, 1 DVI-D, HD Audio

9. 2x 4028 mm 4 PIN PWM fans

10. 180W DC Power Adapter

Views: | Angled View (/a_images/products/views/E300-12C_angle.jpg) | Top View (/a_images/products/views/E300-12C_top.jpg) | Front View
(/a_images/products/views/E300-12C_front.jpg) | Rear View (/a_images/products/views/E300-12C_rear.jpg) |
| Rackmount Kit (/a_images/products/views/MCP-290-30002-0B.jpg) |

Drivers & Utilities   BIOS   IPMI   Tested Memory

Tested M.2 List (/de/support/resources/m2ssd?SystemID=87616&ProductName=SSE300-12C)   Manuals   Drive Options

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

Specifications

Product SKUs

SYS-E300-12C
SuperServer E300-12C (**Black**)

Motherboard

Super X12SCV-LVDS
(/en/products/motherboard/X12SCV-LVDS)

Processor

CPU
Single Socket H5 (LGA-1200) supports:
10th Gen Intel® Core™ i9/i7/i5/i3/
Processor, Intel® Xeon® W-1200 Processors
Support up to 65W TDP

System Memory

Memory Capacity
Up to 64GB DDR4 ECC/non-ECC SO-DIMM,
DDR4-2933MHz, in 2 DIMM slots
Memory Type
2933/2666/2400/2133MHz
DIMM Sizes
4GB, 8GB, 16GB, 32GB
Memory Voltage
1.2 V
Error Detection
Corrects single-bit errors
Detects double-bit errors
 (using ECC memory)

On-Board Devices

Chipset
Intel® W480E
SATA
Intel® W480E controller for 2 SATA3 (6
Gbps) ports; RAID 0,1
Network Controllers
Single LAN with Intel® Ethernet Controller
I210-AT
Single LAN with Intel® PHY I219LM LAN
controller
Audio
ALC 888S HD Audio
Graphics
Intel® HD Graphics
3 Independent Displays thru HDMI
2.0a/HDMI1.4/DP/LVDS

Input / Output

SATA
2 SATA3 (6Gbps) ports
LAN
2 RJ45 Gigabit Ethernet LAN ports
USB
4 USB 2.0 ports (4 via headers)
4 USB 3.2 Gen2 ports (4 Rear Type A)
Display
1 DVI - D port
2 HDMI ports
1 DP (Display Port)
1 LVDS port
Audio
HD Audio (Mic In / Line Out)
TPM
TPM Header & Chip both

Chassis

Form Factor
Compact 1U Box
Model
CSE-E300
(/products/chassis/1U/E300/SC
E300.cfm)

Dimensions

Width
10.43" (264.8mm) / 15" (381mm) - pkg.
Height
1.7" (43mm) / 10.87" (276mm) - pkg.
Depth
8.9" (226mm) / 5.59" (142mm) - pkg.
Weight
Gross Weight: 7.5 lbs (3.4 kg)
Net Weight: 3.45 lbs (1.56 kg)
Available Colors
Black

Front Panel

Buttons
Power On/Off button
LEDs
Power LED (Hard drive activity LED)

Expansion Slots

PCI-E
1 PCI-E 3.0 x16 slots (16/NA or 8/8)
M.2
1 M.2 M-Key SATA/PCI-E 3.0 x4, 2242/2280
1 M.2 E-Key CNVi/PCI-E 3.0 x1, 2230

Drive Bays

Internal
2 Fixed 2.5" drive bays with bracket (when
AOC area is not occupied) or 1 Fixed 2.5"
drive bay with AOC support

System Cooling

Fans
2x 4028 mm 4 PIN PWM fans

Power Supply

180W DC Power Adapter

System BIOS

BIOS Type
AMI UEFI
BIOS Features
ACPI 6.0

Management

Software
AMT
NMI
SuperDoctor® 5
vPro
Watch Dog
Power Configurations
ATX Power connector
+12V DC Power Input
Fan
Fans with tachometer status monitoring

Operating Environment / Compliance

RoHS
RoHS Compliant
Environmental Spec.
Operating Temperature:
 0°C to 40°C (32°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)