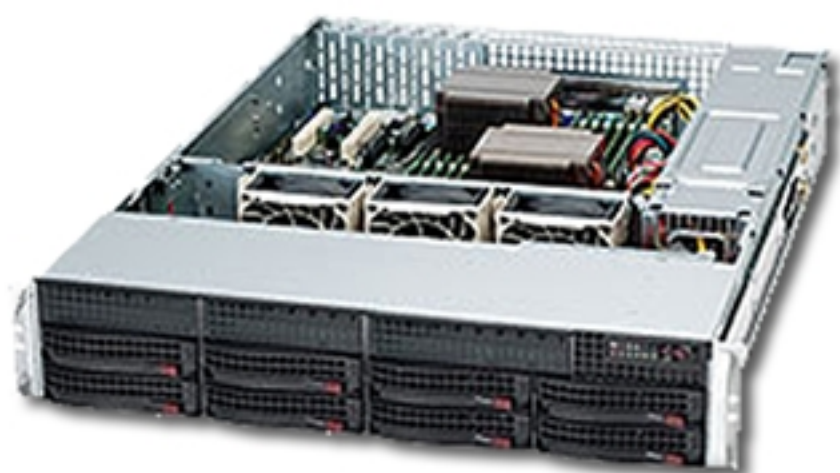


KYPUS™
NOVA DEVICES



KYPUS VOD SERVER

Powered by SuperMicro™



Mainboard Key Features

Single socket H4 (LGA 1151) supports Intel® Xeon® processor E3-1200 v5,

Intel® 7th/6th Gen. Core™ i3 series,
Intel® Celeron® and Intel® Pentium®

Intel® C232 chipset

Up to 64GB Unbuffered ECC UDIMM DDR4 2133MHz; 4 DIMM slots

Expansion slots:

1 PCI-E 3.0 x8 (in x16),

1 PCI-E 3.0 x4 (in x8),

1 PCI-E 3.0 x1

Single GbE LAN with Intel® i210-AT

6 SATA3 (6Gbps) via C232; RAID 0, 1, 5, 10

8 SAS3 (12Gbps) via LSI 3008; RAID 0, 1, 10

I/O: 1 VGA, 2 COM, TPM header

2 SuperDOM with built-in power

5 USB 3.0 (2 rears, 2 via headers, 1 Type A),

6 USB 2.0 (2 rears, 4 via headers)

OS

UBUNTU server

RAM

32 Gb

HDD

4 SATA 4TB RAID (16 TB Up to 64 TB)

Processor

Intel® Xeon® processor E3-1200 v5

Power Supply

1U 720W Redundant Power Supply W/ PMbus 80Plus Gold



Specifications

Product SKUs	
MBO-X11SSL-CF	• X11SSL-CF (Bulk Pack)
Physical Stats	
Form Factor	• Micro-ATX
Dimensions	• 9.6" x 9.6" (24.38cm x 24.38cm)
Processor/Cache	
CPU	<ul style="list-style-type: none"> • Intel® 7th/8th Generation Core i3 series • Intel® Celeron® • Intel® Pentium® • Intel® Xeon® processor E3-1200 v5 series • Socket H4 (LGA 1151) supported; CPU TDP support 80W
Note	• BIOS version 2.0 or above is required to support Kaby Lake processors
System Memory	
Memory Capacity	• 64GB Unbuffered ECC UDIMM, DDR4-2133MHz, in 4 DIMM slots
Memory Type	• 2133/1866/1600MHz ECC DDR4 SDRAM 72-bit, 288-pin (UDIMM) gold-plated DIMMs
DIMM Sizes	• 4GB, 8GB, 16GB
Memory Voltage	• 1.2V
Error Detection	<ul style="list-style-type: none"> • Corrects single-bit errors • Detects double-bit errors (using ECC memory)
On-Board Devices	
Chipset	• Intel® C232
SATA	• Intel® C232 controller for 8 SATA3 (6 Gbps) ports; RAID 0,1,5,10
SAS	• LSI3008 controller for 8 SAS3 (12Gbps) ports; RAID 0,1,10
Network Controllers	• Dual LAN with Intel® Ethernet Controller I210-AT
Graphics	• Aspeed AST2400 BMC
Input / Output	
USB	<ul style="list-style-type: none"> • 6 USB 2.0 ports (2 rear, 4 via header(s)) • 5 USB 3.0 ports (2 rear, 2 via header(s), 1 Type A)
Video Output	<ul style="list-style-type: none"> • 1 VGA • 1 Aspeed AST2400 BMC
Serial Port / Header	• 2 COM Ports (1 rear, 1 header(s))
TPM	• TPM Header

Expansion Slots	
PCI-E	<ul style="list-style-type: none"> • 1 PCI-E 3.0 x8 (in x16 slot) • 1 PCI-E 3.0 x4 (in x8 slot) • 1 PCI-E 3.0 x1
System BIOS	
BIOS Type	<ul style="list-style-type: none"> • 128Mb SPI Flash EEPROM with AMI BIOS • ACPI 1.0 / 2.0 / 3.0 / 4.0 • APM 1.2 • DMI 2.3 • Hardware BIOS Virus protection
BIOS Features	<ul style="list-style-type: none"> • PCI 2.3 • Plug and Play (PnP) • RTC (Real Time Clock) Wakeup • SMBIOS 2.7.1 • UEFI 2.3.1 • USB Keyboard support
Management	
Software	• IPMI 2.0, NMI, SSM, SUM, SuperDoctor® 5, Watchdog
Power Configurations	• ACPI Power Management • Power-on mode for AC power recovery
PC Health Monitoring	
Voltage	• +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control, VBAT
FAN	• 5x 4-pin fan headers (up to 5 fans), Fan speed control, Overheat LED indication, Thermal control tachometer fan connectors
Temperature	<ul style="list-style-type: none"> • CPU thermal trip support • Monitoring for CPU and chassis environment • PECI • Thermal Monitor 2 (TM2) support
LED	<ul style="list-style-type: none"> • UID/Remote UID • CPU / System Overheat LED
Other Features	• Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, WOL
Operating Environment	
Operating Temperature Range	• 0°C ~ 50°C (32°F ~ 122°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)