Embedded/IoT Solutions

Connecting the Intelligent World from Devices to the Cloud

Long Life Cycle · High-Efficiency · Compact Form Factor · High Performance · Global Services

Embedded Building Block Solutions

- Standard Form Factor and High Performance Motherboards
- Optimized Short-Depth Industrial Rackmount Platforms
- Energy Efficient Titanum Level Power Supplies
- Fully Optimized SuperServers Ready to Deploy Solutions
- Remote Management by IPMI or Intel® AMT
- Worldwide Service with Extended Product Life Cycle Support
- Low Power Intel® Avoton ,Rangeley, Quark, Core™ i7/i5/i3 and High Performance Intel® Xeon® Processors
- Optimized for Embedded Applications

intel IoT Solutions Alliance

X10 SERVER PLATFORMS

www.supermicro.com/embedded

August 2015

Medical Imaging

Compute Intensive Medical Workloads.Accelerate Image Processing applications with Supermicro Dual Processors and large Memory Server Solutions.


X10DRL-i


X10DRi(-T)


X10DAi
X10DAC

Digital Security & Surveillance

Convergence of Physical Security and IT and Monitoring of Physical Premises. Supermicro Server Products and solutions can integrate Video Surveillance integration with IP Camera, Storage and Management, HD Video Processing and Video Analytics.


X10SLQ


SC825MTQ-R700LPB

Communication Infrastructure

Small Form factor SuperServer provide IT infrastructure for Data Center Edge Devices, Data Center Management Control and Network and Security Devices.


SYS-5018D-FN4T


SYS-5017K-N6


SYS-5018A-FTN4


SYS-5018A-TN7B

Industrial Automation

Broad range of Factory and Building automation applications can rely on Supermicro building blocks to mix real-time and non-real-time OS and workloads


X10SAE


SC835BTQ-R1k28

Retail Applications

Deliver User Experience and Enhanced Intelligent Retail User Experience with digital promotions and targeted advertising using Compact, lower power Supermicro Embedded Servers.


SYS-E200-8B


SYS-1017A-MP


SYS-1018L-MP


SYS-5028A-TN4

Cloud and Cold Storage

Supermicro servers based on Intel Atom C2000 Family of processors provide new ways to optimize cloud infrastructure through Low Power solutions and better TCO.


SYS-5018A--MLHN4


SSG-5018A-AR12L

Transportation Control

Today's public transportation control systems utilize high performance computing to handle complex traffic patterns. Traffic monitors and controllers can be found in traffic signals, license plate recognition, toll booths, e-police and several transportation management systems. These compact yet high performance systems are used for pattern recognition, matching and analysis of complex data and images. Supermicro provides a full range of IPC Rackmount solutions that deliver high-performance features that can readily handle acquisition and analysis of complex data.


SC842TQ-665B

Digital Content Management and Distribution

Explosion in multimedia video, audio and image files on the web has created a new industry that provides live streaming, audio/video/images on demand and search analytics. To tackle this large problem, Supermicro has introduced a one-of-a-kind server solution that incorproate high-performance Dual Intel Xeon Processors, extreme I/O expansion with FH/FL 11 PCI-E Slots, 5 Hot Swap HDD and Dual GbE LAN all in a single 4U Rackmount system. The converged high density compute, storage and network server is optimized for data management, analytics and distribution.


SYS-6048R-TXR

New High Density, Performance Core and Low Power SoC Solutions Intel® Xeon® Processor D Family

New!

Intel® Broadwell-DE
128GB Memory
45W, 8 Core, 2.6GHz
Xeon® D-1540

X10SDV-F/X10SDV-TLN4F

- Intel® Xeon® processor D-1540, Single socket FCBGA 1667; 8-Core, 45W, 2.0-2.6GHz, 12MB,
- System on Chip
- Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets
- Expansion slot: 1x PCIe 3.0 x16, 1x M.2 PCIe 3.0 x4 in M Key 2242/2280
- Dual 10GbE LAN and Intel® i350-AM2 dual port GbE LAN
- 6x SATA3 (6Gbps), RSTe, Raid 0,1,5,10
- 2x USB 3.0 ports (rear) 4x USB 2.0 ports (via headers), IPMI 2.0 with KVM
- 1x SuperDOM, 1x COM, TPM header, GPIO and SMbus headers
- 12V DC input and ATX Power Source
- Additional CPU Option: Xeon D-1520 (4 Cores, X10SDV-4C-TLN2F coming soon)

SYS-5018D-FN4T

- Intel® Xeon® processor D-1540, Single socket FCBGA 1667; 8-Core, 45W
- 2x 3.5" or 4x 2.5" SATA3 drive bays; (2.5" via optional bracket)
- 1x PCI-E 3.0 x16 slot
- Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets
- Dual 10GbE LAN and Intel® i350-AM2 dual port GbE LAN
- SuperDOM supported; DOM power connector enabled
- 200W Low-noise power supply w/ PFC


Web Hosting


Cold Storage


Networking / Communications


Security

SYS-5028D-TN4T

- Intel® Xeon® processor D-1540, Single socket FCBGA 1667; 8-Core, 45W
- 4x 3.5" Hot-swap drive bays; 2x 2.5" fixed drive bays
- 1x PCI-E 3.0 x16 (LP), 1x M.2 PCI-E 3.0 x4, M Key 2242/2280
- Up to 128GB ECC RDIMM DDR4 2133MHz or 64GB ECC/non-ECC UDIMM in 4 sockets
- Dual 10GbE LAN and Intel® i350-AM2 dual port GbE LAN
- 250W Flex ATX Multi-output Bronze Power Supply


Web Hosting


Cold Storage


Networking / Communications


Security

X10 New Generation Haswell-EP Single Processor Solutions

SYS-5018R-MR

- Intel® Xeon® E5-2600 /1600 V3 family
- DataCenter Applications/Server Appliance/Mainstream Server Usage/Mission-Critical
- Up to 8x ECC/Non-ECC DDR4 R/LR 1333MHz/1600MHz/2133MHz (2DPC); Up to 256GB RDIMM, 512GB LRDIMM
- Redundant 400W High-Efficiency Power Supply, optional BBP module support
  1U rackmount, 1.7" H x 17.2" W x 19.8" D (43mm H x 437mm W x 503mm D)
- 400W high-efficiency redundant power supply
- Support BBU module
- 4x USB 2.0 (front/rear), USB 3.0, VGA, Serial
- 1x dedicated IPMI port via Aspeed BMC onboard


Communication\ Networking


Digital Surveillance\ Security


CloudComputing\ Web Hosting

SYS-1017R-WR

- Intel® Xeon® LGA2011 Socket R2 E5-2600 /1600 v2 family / Intel® C602 chipset
- Up to 512GB ECC DDR3,LRDIMM up to 1866MHz 8x DIMM sockets
- Intel® C602 SCU controller for 4 SATA2 (3 Gbps) ports; RAID 0,1,5,10; Intel® C602 AHCI controller for 2 SATA3 (6 Gbps) ports; RAID 4SATA2 (3 Gbps)0,1,5,10;
- 2x PCI-E 3.0 x16 Full-height slots 1x PCI-E 3.0 x8 Low-profile slot Optional GPU support: with option parts
- 4x USB 2.0 (rear), VGA, Serial 2x GbE port, 1x dedicated IPMI port
- 2x 2.5" internal fixed SATA3 bays w/ RAID
- Redundant 400 1+1 power w/ BBP® option
- 4x 4cm cooling fans (Default 3xFan for CPU 1x AOC)
- 1U rackmount short depth less than 17 inch,


Medical Imaging


Security Applince


Networking\ Communications

X10 New Generation Haswell-EP Dual Processor Solutions

SYS-6018R-MTR

- Dual Intel® Xeon® Processor E5-2600 v3 product family with QPI up to 9.6 GT/s
- Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4, up to 2133MHz, in 8 DIMM slots
- IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
- Intel® C612 controller for 4 SATA3 (6Gbps) ports; RAID 0,1,5,10
- Data Center/Web Server/Enterprise Server/Managed Hosting
- IPMI 2.0 + KVM with dedicated LAN
- 400W Redundant Gold Level high-efficiency power supply
- Short-Depth
- Dual Intel® i210 single port Gigabit Ethernet LAN
- 1U Rackmount 437 x 43 x 503mm (17.2"x1.7"x19.8")


Web Hosting


Security Appliance


Networking / Communications

SYS-6028R-TRT

- Intel® Xeon® processor E5-2600 v3 with QPI up to 9.6GT/s
- 16 DIMM sockets
- 2 SATA DOM support with embedded power
- 2x 10GBase-T Ports
- 740W Redundant Platinum Level high-efficiency power supplies
- 8 Hot-Swap 3.5" SATA/SAS drive bays
- Cost optimized
- Independent power & cooling control
- SATA 3.0 (6Gbps) support


Digital Video Wall


Control Room


Digital Signage

Low-Power 4-Core Atom™ Avoton SoC Server Appliances

SYS-5018A-MLTN4

- Intel® Atom™ C2550 processor-based SoC FCBGA 1283, 4 cores, 2.4-2.6GHz, 14W (Avoton)
- Up to 4 DIMMs, 64 GB of DDR3 ECC or non ECC UDIMM up to 1600MHz
- 2x 3.5" or optional 4 x 2.5" internal SATA2 and SATA3 Drive Bays
- 1x PCI-E 2.0 x8 Slot, 4x USB2.0, VGA, COM,
- Quad GbE LAN ports, IPMI 2.0 on Dedicated LAN port
- 200W Low-Noise Power Supply
- Dimension : 16.8" (426mm) x 1.7"(43mm) x 14"(356mm)

SYS-5018A-MLHN4

- Intel® Atom™ C2550 processor-based SoC FCBGA 1283, 4 cores, 2.4-2.6GHz 14W (Avoton)
- Up to 4 DIMMs, 64 GB of DDR3 ECC or non ECC UDIMM up to 1600MHz
- 4x 3.5" hot-swap and 2 x 2.5" internal SATA2 and SATA3 Drive Bays
- 1x PCI-E 2.0 x8 Slot, 4x USB2.0, VGA, COM,
- Quad GbE LAN ports, IPMI 2.0 on Dedicated LAN port
- 200W Low-Noise Power Supply
- Dimension: 17.2" (437mm) x 1.7"(43mm) x 19.85"(503mm)

Cold Storage

Web Hosting

High Core Atom™ Rangeley Networking and Security Server Appliances

SYS-5018A-TN7B

- Intel® Atom processor C2758, SoC, FCBGA 1283, 20W 8-Core,2.4GHz
- 7x GbE LAN including 6 ports LAN bypass (SW programmable) ports w/ SoC I354, I350-AM2 and I210-AT
- 1x 3.5" Fixed drive bay or 4x 2.5" drive bays w/ optional bracket ,1x mSATA slot
- 1x PCI-E 2.0 x4 (in x8) slot / IPMI 2.0 with shared LAN
- Up to 64GB DDR3 1600MHz ECC or non-ECC UDIMM
- 2x 4cm counter-rotating PWM fans; Support up to 3x system fans
- 200W Multi-output power supply

SYS-5018A-MHN4

- Intel® Atom™ C2758 processor-based SoC FCBGA 1283, 8 cores, 2.4GHz, 20W (Rangeley)
- Long Life Cycle Embedded Solution / Support IntelQuickAssist Technology
- Up to 4 DIMMs, 64 GB of DDR3 ECC or non ECC UDIMM up to 1600MHz
- 4x 3.5" hot-swap and 2 x 2.5" internal SATA2 and SATA3 Drive Bays
- 1x PCI-E 2.0 x8 Slot, 4x USB2.0, VGA, COM,
- Quad GbE LAN ports, IPMI 2.0 on Dedicated LAN port
- 200W Low-Noise Power Supply
- Dimension: 17.2" (437mm) x 1.7"(43mm) x 19.85"(503mm)

Networking / Communications

Security Appliance

Scalable Communications Infrastructure

SYS-5017K-N6

- Intel® Pentium® B915C (Gladden) processor (2C, 15W, 1.5 GHz. 3M)
- Intel® Communications Chipset 8903CC (Cave Creek)
- Up to 32GB DDR3 ECC 1333MHz ECC SODIMM in 4 sockets
- Intel® i350-AM4 ; Quad Port Programmable GbE LAN Bypass
- 2x Intel® i210T; Dual Port GbE LAN
- 1x 3.5" fixed SATA2 (option 2x 2.5"), Disk-on-module (DOM) power
- 1x PCI-E 2.0 x8, 2x serial (1 rear, 1 header)
- 5x USB 2.0 ports (2 rear, 4 via header, 1 type A), eUSB/UDM support
- 200W Power Supply

Integrated Intel® Quick Assist Technology providing hardware acceleration for improved cryptographic and compression performance.

Intel®Data Plane Development Kit for Packet Processing

Networking / Communications

Security Appliance

8-Core Atom™ Avoton Embedded Server Appliances

SYS-5018A-FTN4 (Front I/O)

- Intel® Atom™ C2758 processor-based SoC, FCBGA 1283 8 cores, 2.4GHz, 20W (Rangeley)
- Long Life Cycle Embedded Solution
- Support Intel® QuickAssist Technology
- Up to 4 DIMMs, 64 GB of DDR3 ECC SODIMM up to 1600MHz
- 2x 3.5" or optional 4x 2.5" internal SATA2 and SATA3 Drive Bays
- 1 x PCI-E 2.0 x8 Slot, 4 x USB3.0, 2 x USB2.0, VGA, COM,
- Quad GbE LAN ports, IPMI 2.0 on Dedicated LAN port
- 200W Gold Level Low-Noise Power Supply
- Dimension : 17.2"(437mm) x 1.7"(43mm) x 9.8"(249mm)

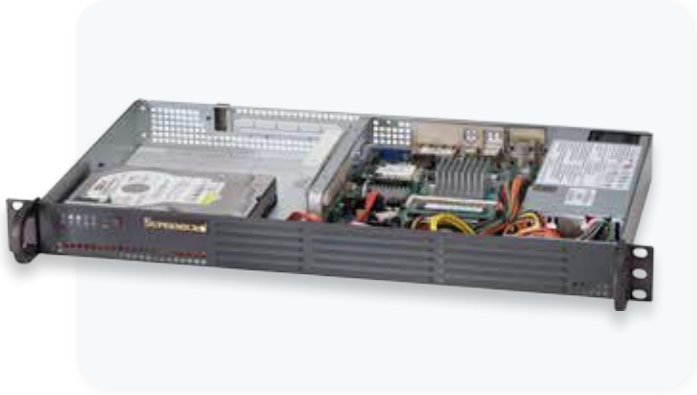
SYS-5018A-TN4

- Intel® Atom™ C2750 processor-based SoC, FCBGA 1283 8 cores, 2.4GHz, 20W (Avoton)
- Up to 4 DIMMs, 64GB of DDR3 ECC SODIMM up to 1600MHz
- 2x 3.5" or optional 4 x 2.5" internal SATA2 and SATA3 Drive Bays
- 1x PCI-E 2.0 x8 Slot, 4x USB3.0, 2x USB2.0, VGA, COM,
- Quad GbE LAN ports, IPMI 2.0 on Dedicated LAN port
- 200W Gold Level Low-Noise Power Supply
- Dimension : 17.2"(437mm) x 1.7"(43mm) x 9.8"(249mm)

Networking / Communications

SMB Servers / Storage

Small Form Factors Server Solutions



SYS-5017A-EP

- Intel® Atom™ N2800 Processor, FCBGA 559, 2C, 6.5W
- Intel® NM10 Express Chipset
- Up to 4GB 1066MHz DDR3 non-ECC SO-DIMMs
- 2x 3.5" or optional 2x 2.5" internal SATA2 Drive Bays
- 1x PCI 32-bit 5V on riser, 1x mini PCI-E
- Intel® 82574L; 2x GbE LAN ports
- HDMI, DisplayPort, VGA Port, 2x USB 3.0 ports
- 200W Power Supply
- Disk-on-module (DOM) power connector

SYS-5017P-TLN4F/TF

- Intel® Core® i7-3612QE or i5-3610ME Mobile ECC processor
- Intel® QM77 Express Chipset
- 2x 3.5" or optional 4x 2.5" internal SATA2 Drive Bays
- 1x PCI-E 3.0 x16 slot
- Up to 16GB 1600/1333MHz DDR3 ECC SO-DIMMs
- Intel® 82574L; 2x or 4x GbE LAN ports
- IPMI 2.0 on Dedicated LAN port
- 200W Low-noise Power Supply w/ PFC
- Disk-on-module (DOM) power connector

Communication

Security

Cold Storage Server Solution

SSG-5018A-AR12L

- Intel® Atom™ Processor C2750, System on Chip chipset
- 1 PCI-E 2.0 x4(in x8 slot)
- 12x 3.5" Hot-swap HDD bays in 1U , SATADOM for OS drive
- IPMI 2.0 with Dedicated LAN
- LSI IT mode 16 ports controller for SW Raid
- Dual GbE LAN Port, Optional 10 GbE LAN Add on Card
- 1 PCI-E 2.0 x4 (LP, HL, in x8 slot)
- Up to 64GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots,x8 data width
- 400W High-efficiency redundant Power Supplies
- Storage Nodes/Hardware Drive Power Control
- 1U 17.2" (437mm) x 1.7" (43mm) x 32" (813mm)

Cold Storage

Web Hosting

2U Rackmount IPC Solutions

X10SLQ

- Intel® 4th Gen. Core i3/i5/i7 processors, socket H3 (LGA 1150)
- Intel® Q87 Express Chipset support AMT 9.0, vPro Technology
- Up to 32GB DDR3 non-ECC 1600MHz UDIMM in 4 sockets
- Dual Gigabit Ethernet LAN ports, 6x SATA 3.0 (6Gb/s)
- 1x PCI-E 3.0 x16, 1x PCI-E 2.0 x4, 1x PCI-E 2.0 x1
- 1x Mini-PCI-E with mSATA support

SC825MTQ-R700LPB

- 700W Redundant Power Supply
- 3x 3.5" Hot-swap Drive Bays
- 7x Low-profile Expansion Slots
- 4x 4cm Counter-Rotating Fans

Digital Video Wall

Control Room

Digital Signage

Parking Monitoring

4U Rackmount IPC Solutions

X10DRX

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
- Intel® C612 chipset
- Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots
- Expansion slots: 10 PCI-E 3.0 x8 and 1 PCI-E 2.0 x4 (in x8) slot

SYS-6048R-TXR

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
- Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots
- 10x PCI-E 3.0 x8 (FHFL) slots, 1x PCI-E 2.0 x4 (in x8) slot
- Intel® i350 Dual port Gigabit Ethernet
- 5x 3.5" Hot-swap HDD Bays
- 3x 5.25" Peripheral Drive Bays
- 600W Redundant Power Supplies Platinum Level (94%)

Extreme I/O with 11 PCI-E slots ideal for use in Command and Control, Security, Test Equipment, Medical, or Industrial Automation applications

Factory Automation

Machine Automation

Industrial Automation

Transportation Infrastructure

Short Depth IPC and Mini Tower

SYS-6038R-TXR

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
- Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots
- 10x PCI-E 3.0 x8 (FHFL) slots, 1x PCI-E 2.0 x4 (in x8) slot
- Intel® i350 Dual port Gigabit Ethernet
- 8x 3.5" Hot-swap drive bays, 2x 5.25" drive bays
- Server remote management: IPMI 2.0 / KVM over LAN / Media over LAN
- 3x middle fans & 1x rear exhaust fan
- 980W Redundant Power Supplies Platinum Level (94%)

SYS-6048R-TXR

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s
- Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots
- 10x PCI-E 3.0 x8 (FHFL) slots, 1x PCI-E 2.0 x4 (in x8) slot
- Intel® i350 Dual port Gigabit Ethernet
- 5x 3.5" Hot-swap HDD Bays
- 3x 5.25" Peripheral Drive Bays
- 600W Redundant Power Supplies Platinum Level (94%)

SYS-5028A-TN4

- IIntel® Atom C2758F, SoC, 8-Core 20W
- Up to 64GB ECC SODIMM 4 DIMM slots
- 4x 3.5" Hot-swap drive bays; 2x 2.5" fixed drive bays
- 4x GbE LAN
- 1 x IPMI 2.0 with KVM and dedicated port
- 250W Flex ATX Bronze Level power supply
- 1x PCI-E 2.0 x8 (Low Profile) slot
- 2x USB 3.0 ports and 2x USB 2.0 ports
- Ultra Quiet

SYS-5028L-TN2

- Intel Xeon E3-1200 v3 and 4th Gen Intel Core i7,i5, i3, Pentium & Celeron
- Intel HD4600 Graphics
- Support 3 independent displays
- (DVI-I, HDMI and DisplayPort)
- 16 GB of DDR3 1600MHz Non ECC SODIMM
- Four SATA3 (6Gbps) and Intel RST (0, 1, 5 & 10)
- TPM 1.2 header available
- Dual Gigabit LAN ports
- One PCIe x16 Gen.3 expansion Slot for LP
- One mini-PCIe with mSATA support
- 7 Year Product Life

IoT Gateway

An Integrated, Pre-Validated, and Complete Solution

The Supermicro Gateway Solutions for IoT offers a proven solution — pre-validated on industry-leading software— that delivers an application-ready platform.

Ingredients of the Intel® IoT Gateway

SYS-E100-8Q

- Single Intel® Quark™ SoC X1021;CPU TDP support 2.2W
- 1x Micro SDHC up to 32GB internal slot
- Onboard 512MB DDR3 ECC memory
- Expansion slots: 2x Mini-PCI-E slots,1x ZigBee module socket. AOC Modules: Wifi/Bluetooth, 3G CDMA, 3G WCDMA mini PCIe cards.
- TPM 1.2 onboard Chip,2x 10/100Mbps RJ45
- Power Adapter: 12V DC input
- Environment operating temperature 0°C to 50°C
- Dimension : 5.3"x 4.3" x 1.4" (135x109x36mm)
- SFT-IT-IOT-SK100: Development Kit: SFT-IT-IOT-SK100 (Based on DK100 Cross Hill)

- Fanless Compact Embedded System - Long Life Cycle Support
- Smart Building/Home Gateway - Retail store or Warehouse Hub

Intelligent Gateway Software Stack

Ecosystem
and enduser enabled cloud connector, applications, and services

Manageability
OMA DM
TR-069
Web-Based Configuration Interfaces

Runtime Environment
Lua*
Java*
OSGi*

Security
-Open SSL* Engine
-SRM Signing Tool
-Certificate Management
Secure Boot
-Application Integrity Monitor
-Application Resource Control
-Remote Attestation
-Secure Package Management
-Encrypted Storage
-FIPS 140-2 Open SSL Lib

McAfee Embedded Control*

Connectivity
ZigBee*
Cellular 2G/3G/4G
Bluetooth*
Serial
USB
VPN
Wi-Fi* Access Point
MQTT

Wind River Development Environment

Wind River Linux*5.0.1

Intel® Processor-Based Solution
(Intel® Quark™ SoC, Intel® Atom™ Processor)

Compact Box PC & IoT Gateway Solutions

SYS-1018L-MP

- Intel® 4th gen. Core i7/i5/i3, Pentium,Celeron processors
- Intel® H81 Express Chipset
- 1x 2.5" internal HDD support
- Up to 16GB DDR3 non-ECC 1600MHz SODIMM in 2 sockets
- 1x Mini-PCI-E (Full and Half card with mSATA support)
- 2x GbE, 1x DVI-I, 1x HDMI,1x Display Port, 2x COM, and 1x Audio
- 4x USB 2.0 ports, 2x USB 3.0 ports
- 1x SATA DOM support
- 80W DC power adapter
- Dimension : 7.68"x 7.68" x 2.68" (195x195x68mm)

Compact Embedded System- Long Life Cycle Support- Security Appliance, Surveillance- Digital Signage, Indoor Kiosk- Video processing, streaming

SYS-1017A-MP

- Intel® Atom™ N2800 (6.5W, 1.86GHz)
- Intel® NM10 Express Chipset
- 1x 2.5" internal HDD support
- Up to 4GB 1066MHz DDR3 Non-ECC SO-DIMM in 2 sockets
- 1x Mini-PCIe (compatible with mSATA devices)
- 1x VGA, 1x HDMI, 1x Display Port
- Intel® 82574L Dual Port GbE LAN
- 2x USB 3.0 and 4x USB 2.0 ports
- 60W DC power adapter
- Dimension : 7.68"x 7.68" x 2.68" (195x195x68mm)

- Compact Embedded System
- Low Power Dual Core Atom CPU
- Long Life Cycle Support

SYS-E200-8B

- Intel® Celeron™ J1900 (10W, 1.86GHz, 4 Cores) System-on-Chip
- 1x 2.5"internal HDD/SSD support (no exceed 9.5mm thickness for the HDD selection)
- Up to 8GB 1333MHz DDR3 Non-ECC SO-DIMM in 2 sockets
- 1x Mini-PCIe slot, 1x mSATA slot
- 1x VGA, 1x HDMI, 1x Display Port
- Dual Port GbE LAN
- 1x USB 3.0 and 1x USB 2.0 ports
- 60W DC power adapter
- Dimension : 7.68"x 7.68" x 1.7" (195x195x43mm)

- Compact 1U Height Mini ITX BOX PC
- Long Life Cycle Support - Digital Signage

SYS-5028A-TN4T

- Intel® Rangeley processor C2758F; 8-Core, 20W
- 4x 3.5" Hot-swap drive bays; 2x 2.5" fixed drive bays
- 1x PCI-E 2.0 x8 (LP)
- Up to 64GB ECC ECC SoDIMM in 4 sockets
- Quad Ports GbE LAN with dedicated IPMI 2.0 port
- 250W Flex ATX Multi-output Bronze Power Supply

Space-efficient, compact design / Network Security Appliance / Cloud and Virtualization

Atom™ Rangeley for Communication

A1SRi-2758F/2558F

- 8 Core or 4 Core C2758/2558 Rangeley SoC , 20W/15W, 2.4GHz
- Silvermont 64-bit 22nm Tri-Gate System on Chip, VT-x
- Intel QuickAssist Technology (Encryption/Decryption, SSL, , HW accelerator)
- 4 DIMMs, 64 GB of DDR3 ECC SODIMM up to 1600MHz, 2 SATA3, SATA2, 4 USB 3.0
- PCIe 2.0 x8 slot
- Quad Gigabit SoC I354 Intel LAN ports
- IPMI 2.0 with KVM, dedicated LAN port
- 0-60C operating temperature
- 4 pin 12V DC and ATX power source
- Mini-ITX 6.75" x 6.75", 7 Year Product Life

Atom™ Rangeley for Communication with LAN Bypass

New!

Intel® Rangeley
3 pair LAN bypass
QuickAssist Technology

A1SRM-LN7F-2758

- Intel® Atom™ Processor C2758, Rangeley SoC , 20W, 2.4GHz
- Intel QuickAssist Technology (Encryption/Decryption, SSL, HW accelerator)
- 3 pair LAN bypass (SW programmable), total 7 GbE LAN with SoC I354, I350-AM2 and I210-AT
- 4 ECC/Non-ECC UDIMM, DDR3 up to 64 GB. PCIe2.0x4 in x* slot
- 2 SATA3, 4 SATA2, with 1xmSATA, 7 USB2.0, eUSB standoff, 2 COM ports, , 1 SuperDOM
- IPMI 2.0 shared LAN with I210-AT management port
- 0°-60°C operating temperature
- 4 pin 12V DC and ATX power source
- Optimized for SC510/813 1U Chassis
- MicroATX 8.0"x9.6", 7 Year Product Life

Gladden Cavecreek for Network Security with LAN Bypass

X9SKV-B915/1125/1105

- B915C Pentium, E3-1125C Xeon or E3-1105C v2 Gladden CPU on board
- Cavecreek Communication PCH DH8903CC with Intel QuickAssist Technology (Encryption/Decryption, SSL, Compression/ Decompression HW accelerator)
- Quad GbE I350 LAN bypass (SW programmable), total 6 GbE LAN ports
- 4 ECC SODIMMs, DDR3 up to 32 GB, PCIe2.0x8 (PCIe 3.0 for -1105 SKU) for slot 7 or slot 6 option
- 2 SATA2, 5 USB 2.0, eUSB standoff, type A, 2 COM ports
- 0°-60°C operating temperature
- Optimized for SC504/505/510/813 1U Chassis
- Flex ATX 9"x 7.2", 7 Year Product Life

4th Generation Core with Three Independent Displays

X10SLV-Q

- 4th Generation Intel Core i7/5/3,Pentium or Celeron in LGA1150 Socket
- Q87 chipset
- Intel HD Graphics with HDMI, DisplayPort and DVI-I video output,
- 3 independent displays
- 2 DIMMs, 16 GB SODIMM up to 1600MHz
- 4 SATA3(w mSATA), 2 USB 3.0, 6 USB 2.0, Dual GbE LAN
- 5 COM ports, one with 422/485 support
- PCIe3.0x16, Mini-PCIe with mSATA support
- 0-60C operating temperature
- Optimized for SC504/505 1U or SC101i Chassis
- Mini-ITX 6.7" x 6.7", 7 Year Product Life

X10 New Generation Haswell Dual Processor Solutions

New!
Maximum 11 PCIe slot expansion

X10DRX

- Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s8 DIMM DDR4 2133MT/s (Up to 512GB)
- Intel® C612 chipset
- Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots
- Expansion slots: 10 PCI-E 3.0 x8 and 1 PCI-E 2.0 x4 (in x8) slot
- Intel® i350 Dual port GbE LANr

ATX USB 3.0
PCI-E 3.0 x16 + 3
PCI-E 3.0 x8

X10DRL-i

- Dual E5-2600 v3 CPUs up to 145W
- 8 DIMM DDR4 2133MT/s (Up to 512GB)
- 1 PCI-E 3.0 x16 + 3 PCI-E 3.0 x8 + 1 PCI-E 3.0 x4 in x8 + 1 PCI-E 2.0 x4 in x8
- 10 SATA 3.0 HDD/SSD ports
- 4 USB3.0, 2 SuperDOM, TPM support
- 12" x 10" ATX Form Factor

10 GBASE-T
3 PCI-E 3.0 x16
E-ATX

X10DRi(-T)

- Dual E5-2600 v3 CPUs up to 145W
- 16 DIMM, 1TB Reg. ECC DDR4 up to 2133MHz
- 3 PCI-E 3.0 x16 + 3 PCI-E 3.0 x8
- 10 SATA 3.0 ports
- USB 3.0, SuperDOM, TPM support
- Intel X540 Dual Port 10GBASE-T LAN (T SKU) or Intel i350 Dual Port Gigabit LAN
- 12" x 13" E-ATX Form Factor

160W CPU
Thunderbolt
16 DIMM
E-ATX

X10DAi

- Dual E5-2600 v3 CPUs up to 160W
- 16 DIMM, 1TB Reg. ECC DDR4 up to 2133MHz
- 3 PCI-E 3.0 x16 + 2 PCI-E 3.0 x8 + 1 PCI-E 2.0 x4 (in x8)
- 8-port LSI 3008 SAS3 SW RAID controller (C SKU)
- 10 SATA 3.0 ports
- USB 3.0, SuperDOM, TPM support
- Intel Dual i210 Single Port GbE LAN
- 12" x 13" E-ATX Form Factor

24 DIMM
SAS 3
10 GBASE-T

X10DRC/i-T4+/LN4+

- Dual E5-2600 v3 CPUs up to 145W
- 16 DIMM, 1TB Reg. ECC DDR4 up to 2133MHz
- 1 PCI-E 3.0 x16 + 6 PCI-E 3.0 x8
- LSI 3108 HW RAID with 8 port SAS3 (C SKUs)
- Dual Intel X540 dual port 10GBASE-T LAN (-T4 SKU) or Dual Intel i350 Dual port gigabit LAN (-LN4 SKU)
- 13.68" x 13" E-ATX Form Factor

SAS 3
10 GBASE-T
16 DIMM
E-ATX

X10DRH-C/i(T)

- Dual E5-2600 v3 CPUs up to 145W
- 16 DIMM, 1TB Reg. ECC DDR4 up to 2133MHz
- 1 PCI-E 3.0 x16 + 6 PCI-E 3.0 x8
- LSI 3108 HW RAID with 8 port SAS3 (C SKUs)
- 10 SATA 3.0 ports
- USB 3.0, SuperDOM, TPM support
- Intel X540 Dual Port 10GBASE-T LAN (T SKU) or Intel i350 Dual Port Gigabit LAN
- 12" x 13" E-ATX Form Factor

Dual Processor System Solutions

New!

X10DRL-i

- Dual E5-2600 v3 CPUs up to 145W
- 8 DIMM DDR4 2133MT/s (Up to 512GB)
- 1 PCI-E 3.0 x16 + 3 PCI-E 3.0 x8 + 1 PCI-E 3.0 x4 in x8 + 1 PCI-E 2.0 x4 in x8
- 10 SATA 3.0 HDD/SSD ports
- 4 USB3.0, 2 SuperDOM, TPM support
- 12" x 10" ATX Form Factor

SC514-505

16.9" Compact Short-Depth Chassis for X10 DP Solutions

- 500W Platinum Level High-efficiency Power Supply
- 1x 3.5" or 4 x 2.5" HDD
- 4 x 40x56mm PWM fans
- 2 Full-Height I/O Expansion slot

80 PLUS PLATINUM

Embedded and Industrial-Grade Dual Processor Solutions

X10DRL-i	X10DAi/C	X10DRH-C/i(T)	X10DRL-CT	X10DDW-i	X10DRD-iTP
					
Dual E5-2600 v3 CPUs up to 145W	*SAS3 SW RAID controller*	*LSI 3108 HW RAID with 8 port SAS3*	*Up to 512GB ECC DDR4 2133MHz; 8x DIMM slots*	*3x AOC in 1U, SAS3 AOM support, DCO*	*3x AOC in 1U, SAS3 AOM support, DCO*

X10DRC/i-T4+/LN4+	X10DRi(-T)	X10DRi-T4+	X10DRW-i(T)	X10DRX
				
16 DIMM, 1TB Reg. ECC DDR4 up to 2133MHz	*Intel X540 Dual Port 10GBASE-T LAN*	*Up to 1.5TB ECC DDR4 2133MHz;24x DIMM slot*	*Integrated IPMI 2.0 and KVM with Dedicated LAN*	*Maximum 11 PCIe slot expansion*

Chassis Solutions

SC101i

- Support Mini-ITX Motherboard (6.75" x 6.75")
- System Fan can support processors up to 45 watts
- Front accessible USB 2.0 and audio ports
- 1x internal 2.5" SATA Drive Bay
- VESA Mount bracket (MIS-D 75x75/100x100mm, MIS-E 100x200mm)
- W 7.68" x D 7.68" x H 2.68" (195 x 195 x 68 mm)
- Optional 60W or 80W power adapter

SC101S

- Support Mini-ITX Motherboard (6.75" x 6.75")
- Support processors up to 25 watts (required two system fan)
- 1x internal 2.5" HDD
- VESA Mount bracket
- W 7.68" x D 7.68" x H 1.7" (195 x 195 x 43mm)
- Optional 60W

SC504-203B

- Rear I/O 1U Compact Short Depth 9.8" Rackmount support Mini ITX Motherboard from SoC Avoton/Rangeley up to 4th Gen Haswell Core i7 platform.
- 2x 3.5" or optional 4x 2.5" internal SATA2 Drive Bays
- 200w Gold Level power supply

SC505-203B

- Front I/O 1U Compact Short Depth 9.8" Rackmount support Mini ITX Motherboard from SoC Avoton/Rangeley up to 4th Gen Haswell Core i7 platform.
- 2x 3.5" or optional 4x 2.5" internal SATA2 Drive Bays
- 200w Gold Level power supply

SC721TQ-250B

- Support Hot-Swap 4 x 3.5" SATA HDD
- Support Two internal 2.5" SATA HDD
- One Low Profile expansion Slot
- One Slim Optical Drive (Optional)
- 250W Bronze Level power supply
- W11" x D8.27" x H9.45" (280x210x240mm)

Embedded and Industrial Server-Grade Mini ITX Solutions

A1SAi-2750F	A1SRi-2758F	X10SDV-F/TLN4F	X10SLV	X10SLV-Q
				
Intel® Atom™ C2750 8-Core Avoton SoC	*Intel® Atom™ C2758 8-Core Rangeley SoC*	*Intel® Xeon™ D-1540 8-Core Broadwell-DE*	*Intel® 4th Gen. Core i7 H81 Chipset*	*Intel® 4th Gen. Core i7 Q87 Chipset*

X11SBA-F/LN4F	X10SBA/-L	X9SPV-M4/-3QE/-3UE	X9SCV-QV4	X9SCAA /-L
				
Intel® Pentium N3700 4-Core Braswell SoC	*Intel® Celeron J1900 4-Core Bay Trail SoC*	*Intel® 3rd Gen. Core i7, ECC QM77 Chipset*	*Intel® 3rd Gen. Core i7 QM67 Chipset*	*Intel® Atom™ N2800 NM10 Chipset*

New!
Braswell SoC
Quad LAN
IPMI

New!
Broadwell-DE,
Xeon D 8-Core
128GB Memory

New!

MODEL	X11SBA-LN4F	X10SDV-F X10SDV-TLN4F	X10DRX
Processor	Intel® Pentium® Processor N3700 Socket FCBGA1170 supported; CPU TDP support 6W 1.6-2.4GHz 2MB	Intel® Xeon® processor D-1540 FCBGA 1667 supported CPU TDP support 45W, 2.0-2.6GHz, 12MB Additional CPU Option: Xeon D-1520 (4 Cores, X10SDV-4C-TLN2F coming soon).	Intel® Xeon® processor E5-2600 v3 family (up to 145W TDP) Dual Socket R3 (LGA 2011)
Chipset/System Bus	SoC (System on Chip)	SoC (System on Chip)	Intel® C612 chipset
Form Factor	Mini-ITX 6.7" x 6.7"	Mini-ITX 6.7" x 6.7"	Proprietary 15.2" x 13.2"
Memory Capacity & Slots	8GB Unbuffered non-ECC SO-DIMM, DDR3-1600MHz, in 2 DIMM slots	4x DDR4 DIMM sockets Supports up to 128GB DDR4 ECC RDIMM Supports up to 64GB DDR4 ECC/non-ECC UDIMM	16x 288-pin DDR4 DIMM slots Up to 1TB ECC LRDIMM, 512GB ECC RDIMM
Expansion Slots	1 PCI-E 2.0 x1 (in x8 slot) 1 Mini-PCIe with mSATA support	1x PCIe 3.0 x16 slot M.2 PCIe 3.0 x4, M Key 2242/2280	10x PCI-E 3.0 x8 slots 1x PCI-E 2.0 x4 (in x8) slot (Both CPUs need to be installed for full access to PCI-E slots and onboard controllers. See manual block diagram for details.)
Onboard RAID Controller	SoC controller for 2 SATA3 (6 Gbps) ports	SoC Controller 6 SATA3 (6Gbps), RTSe, Raid, 0,1,5,10	Intel C612 Controller, 10 SATA3 (6Gbps), Raid 0,1,5,10
Onboard LAN	Quad LAN with Intel® Ethernet Controller I210-AT 1x RJ45 Dedicated IPMI LAN port	2x RJ45 10Gigabit Ethernet LAN ports (-TLN4F only) 2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port	2x RJ45 Gigabit Ethernet LAN ports 1x RJ45 Dedicated IPMI LAN port
Display Ports	1 HDMI, 1 DP (DisplayPort), VGA port is for BMC	1x VGA port	1x VGA port
USB Ports	2 USB 3.0 ports (2 rear) 7 USB 2.0 ports (2 rear + 4 via headers + 1 Type A)	2x USB 3.0 ports (rear) 4x USB 2.0 ports (via headers)	5x USB 3.0 ports (2 rear, 2 via header, 1 Type A) 4x USB 2.0 ports (2 rear, 2 via headers)
Other Onboard I/O Devices	1 Port SuperDOM ALC 888S HD Audio TPM Header 2 COM Ports (2 headers)	1 port SuperDOM 1 COM port header TPM header	2 ports SuperDOM 2 COM port (1 rear) TPM header
Manageability	IPMI2.0 KVM with dedicated LAN NMI SUM SuperDoctor® 5 Watchdog	IPMI2.0 KVM with dedicated LAN NMI SUM SuperDoctor® 5 Watchdog	IPMI2.0 KVM with dedicated LAN NMI SUM SuperDoctor® 5 Watchdog
Health Monitoring	+1.8V, +12V, +3.3V, +5V, +5V standby, Chassis intrusion header, Supports system management utility, System level control	Monitors for CPU Cores, +1.8V, +12V, +3.3V, +5V, Chassis intrusion header, System level control	Monitors for CPU Cores, +3.3V, +5V, +12V, +5V Standby, VBAT, Memory Voltages. 6 Phase-switching voltage regulator
Thermal Control	2 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	3 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	10 4-pin Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors
Other Features	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, System level control, UID, WOL , 0°C -60°C operating temperature	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, System level control, UID, WOL, 0°C -60°C operating temperature	Dual socket R3 (LGA 2011) supports Intel® Xeon® processor E5-2600 v3 family; QPI up to 9.6GT/s. Intel® C612 chipset. Up to 1TB ECC DDR4 2133MHz; 16x DIMM slots. Expansion slots: 10 PCI-E 3.0 x8 and 1 PCI-E 2.0 x4 (in x8) slot. Intel® i350 Dual port GbE LAN. 10x SATA3 (6Gbps); RAID 0, 1, 5, 10. Integrated IPMI 2.0 and KVM with Dedicated LAN. 5x USB 3.0 ports, 4x USB 2.0 ports. 2x SuperDOM ports, TPM 1.2 header
BIOS	AMI UEFI	AMI UEFI	AMI UEFI

	New! IoT Gateway Intel® Quark Embedded	Intel® Avoton and Rangeley Low Power	Intel® Avoton and Rangeley Low Power	New! Intel® Rangeley3 pair LAN bypass QuickAssist Technology
				
MODEL	**A1SQN A1SQN-E**	**A1SAi-2750F/2550F A1SRi-2758F/2558F**	**A1SAM-2750F A1SAM-2550F A1SRM-2758F A1SRM-2558F**	**A1SRM-LN7F-2758 A1SRM-LN7F-2358**
Processor	Intel® Quark™ SoC X1021 Socket FCBGA393 CPU 2.2W	A1SAi-2750F/2550F Intel® Avoton Atom™ Processor C2750 (8C/20W) or C2550 (4C/14W) A1SRi-2758F/2558F Intel® Rangeley Atom™ Processor C2758 (8C/20W) or C2558 (4C/15W) Socket FCBGA1283 CPU	Intel® Avoton Atom™ Processor C2750 (8C/20W) or C2550 (4C/14W) C2758 (8C/20W) or C2558 (4C/15W) Socket FCBGA1283 CPU	Intel® Atom™ Processor C2758 Socket FCBGA1283 CPU 20W
Chipset/System Bus	SoC (System on Chip)	SoC (System on Chip)	SoC (System on Chip)	SoC (System on Chip)
Form Factor	4.1" x 4.0"	Mini-ITX 6.75" x 6.75"	MicroATX 9.6" x 7.5"	MicroATX 8.0" x 9.6"
Memory Capacity & Slots	512 MB onboard, ECC	Up to 64GB ECC SODIMM in 4 slots	Up to 64GB ECC/Non ECC UDIMM in 4 slots	Up to 64GB ECC/Non ECC UDIMM in 4 slots
Expansion Slots	Mini-PCIe 2 slots	1 PCI-E 2.0 x8	1 PCI-E 2.0 x8 1 PCI-E 2.0 x4	1 PCI-E 2.0 x4 (in x8 slot)
Onboard RAID Controller	N/A	SoC controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps)	SoC controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps)	SoC controller for 4 SATA2 (3 Gbps) ports; 2 SATA3 (6 Gbps)
Onboard LAN	Dual LAN with SoC 100Mb	SoC Intel I354 Quad GbE MACs	SoC Intel I354 Quad GbE MACs	SoC Intel I354 Quad GbE MACs I350-AM2 Dual GbE I210-AT 7 GbE with 3 pair LAN bypass
Display Ports	N/A	VGA, Aspeed AS2400 BMC	VGA, Aspeed AST2400 BMC	VGA, Aspeed AST2400 BMC
USB Ports	2 USB 2.0 ports Device & Host	4 USB 3.0 ports (2 rear + 1 via header + 1 Type A). 2 USB 2.0 ports (2 rear)	7 USB 2.0 ports (4 rear + 2 via headers + 1 Type A)	7 USB 2.0 ports (4 rear + 2 via headers + 1 Type A)
Other Onboard I/O Devices	RS232 with DB9, RS485, Digital I/O and Analog input from screw terminal interface, TPM 1.2 onboard	1 SATA DOM power connector 2 fast UART 16550 serial (1 rear, 1 header) ; TPM 1.2 Header	1 SATA DOM power connector 2 fast UART 16550 serial (1 rear, 1 header) ; TPM 1.2 Header	1 SATA DOM power connector 2 fast UART 16550 serial; TPM 1.2 Header, 1SuperDOM, 1 mSATA slot
Manageability	Watch dog	IPMI2.0 SuperDoctor 5 Watch Dog	IPMI2.0 SuperDoctor 5 Watch Dog	IPMI2.0 SuperDoctor® 5 Watch dog
Health Monitoring	N/A	Monitors CPU voltages, +1.8V, +12V, +3.3V, +5V, +5V Standby, Chassis intrusion header, Supports system management utility, System level control	Monitors CPU voltages, +1.8V, +12V, +3.3V, +5V, +5V standby and total of three 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	Monitors CPU voltages, +1.8V, +12V, +3.3V, +5V, +5V standby and total of three 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header
Thermal Control	N/A	3 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	3 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	3 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors
Other Features	Intel@ Gateway Solution for IoT (formerly Moon Island) Software license entitlement included, Micro SDHC up to 32GB slot 5-18V DC Jack with locking design A1SQN: Operating Temperature 0°C -60°C. A1SQN-E: Operating Temperature -20°C -75°C	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Turbo Boost Technology or Intel® QuickAssist Technology, System level control, UID, WOL , 0°C -60°C operating temperature	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Turbo Boost Technology or Intel® QuickAssist Technology, System level control, UID, WOL ,0°C -60°C operating temperature	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® QuickAssist Technology , System level control, UID, WOL ,0°C -60°C operating temperature
BIOS	Board Support Package	AMI UEFI	AMI UEFI	AMI UEFI

† Supermicro chassis required for optimal functionality and performance
* Please check Tested Memory List on Supermicro website for compatibility

Intel 4th Gen Core i7 Triple Display

vPro AMT mSATA Slot

VHD Support

Workstation and Desktop

MODEL	X10SLV/-Q	X10SLQ	X10SLH-F	X10SAE
Processor	Intel® 4th Generation Core™ i7/i5/i3 series, Intel® Celeron®, Pentium® series; Socket LGA 1150 supported; CPU TDP support Up to 84W TDP	Intel® 4th Generation Core™ i7/i5/i3 series, Intel® Celeron®, Pentium® series; Socket LGA 1150 supported; CPU TDP support Up to 84W TDP	Intel® Xeon® processor E3-1200 v3 /v4 series, Intel® 4th Generation Core™ i3 series, Intel® Pentium®, Celeron®; Socket LGA 1150 supported	Intel® 4th Generation Core™ i3 series Intel® 4th Generation Core™ i5 series Intel® 4th Generation Core™ i7 series Intel® Xeon® processor E3-1200 v3/v4 series. Socket LGA 1150 supported; CPU TDP support Up to 135W TDP
Chipset/System Bus	Intel® H81, Q87 for-Q	Intel® Q87 Express Chipset	Intel® C226 Chipset	Intel® C226
Form Factor	Mini-ITX 6.7" x 6.7"	MicroATX 9.6" x 9.6"	MicroATX 9.6" x 9.6"	ATX 12" x 9.6"
Memory Capacity & Slots	Up to 16GB DDR3 1600MHz Non ECC SODIMM in 2 slots	Up to 32GB Unbuffered non-ECC, DDR3-1600MHz in 4 DIMM slots	Up to 32GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots	32GB Unbuffered ECC/non-ECC, DDR3-1600MHz in 4 DIMM slots
Expansion Slots	1 PCI-E 2.0 x16 (3.0 for -Q) Mini-PCI-E with mSATA support	1 PCI-E 3.0 x16 (in x16 slot), 1 PCI-E 2.0 x4, 1 PCI-E 2.0 x1, Mini-PCI-E with mSATA support	1 PCI-E 3.0 x8 (in x16 slot), 1 PCI-E 3.0 x8, 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 3.0 x16 slots (16/NA or 8/8) 3 PCI-E 2.0 x1 , 2 - 5V PCI 32bit
Onboard RAID Controller	Intel® H81 controller for 2 SATA3 (6 Gbps) ports; 2 SATA2 (3 Gbps)	Intel® Q87 controller for 6 SATA3 (6Gbps) ports; 0,1,5,10	Intel® C226 controller for 6 SATA3 (6Gbps) ports; 0,1,5,10	Intel® C226 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10 ASM1061 controller for 2 SATA3 (6 Gbps) ports;
Onboard LAN	Dual LAN with Intel® i217V & i210AT	Dual LAN with Intel® i217LM & i210AT	Dual LAN with Intel® Ethernet Controller i210AT	Single LAN with Intel® Ethernet Controller I210 Single LAN with Intel® Ethernet Controller I217
Display Ports	1 HDMI, 1 DP (DisplayPort), 1 DVI-I 1 Intel® HD 4600 Graphics, 2 Independent Displays (3 for -Q)	HDMI, DP (DisplayPort), DVI-D, VGA Intel® HD 4600 Graphics, 3 Independent Displays	VGA, Aspeed AS2400 BMC	1 VGA, 1 DVI - I, 1 DP (DisplayPort), 1 HDMI
USB Ports	2 USB 3.0 ports (2 rear +) 5 USB 2.0 ports (2 rear + 2 via headers + 1 Type A)	4 USB 3.0 ports (2 rear + 2 via header + 8 USB 2.0 ports (4 rear + 4 via headers)	4 USB 3.0 ports (2 rear + 1 via header + 1 Type A); 6 USB 2.0 ports (2 rear + 4 via headers)	6 USB 3.0 ports (2 rear + 4 via header) 10 USB 2.0 ports (4 rear + 6 via headers)
Other Onboard I/O Devices	1 SATA DOM power connector, ALC 888S HD Audio Font panel header, 5 COM ports (1 with RS422/485), TPM 1.2 Header	1 SATA DOM power connector ALC 888S, 7.1 HD Audio 4 COM port headers (1 with RS422/485) PS/2 Combo mouse and keyboard; TPM 1.2 Header	1 SATA DOM power connector 1 fast UART 16550 serial COM port headers (1 rear 1 header); 2 Total COM Ports; TPM 1.2 Header	1 SATA DOM power connector 7.1 HD Audio PS/2 mouse and keyboard; Type B of 1394a TPM 1.2 onboard Header 2 COM Ports (2 headers)
Manageability	SuperDoctor 5, Watch Dog	SuperDoctor 5, Watch Dog, AMT 9.0, vPro	IPMI 2.0 + KVM with dedicated LAN, NMI, SuperDoctor 5, Watch Dog	AMT SuperDoctor 5 vPro Watchdog
Health Monitoring	Monitors CPU voltages, +1.8V, +12V, +3.3V, +5V, +5V Standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control	Monitors CPU voltages, +1.8V, +12V, +3.3V, +5V, +5V Standby, 4 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility, System level control	Monitors CPU voltages, +12V, +3.3V, +5V, +5V Standby and total of 5 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	+1.8V, +12V, +3.3V, +5V, +5V standby, 5 (4-pin), Chassis intrusion header, Monitors CPU voltages, Supports system management utility
Thermal Control	3 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	Overheat LED indication, fan speed control, Thermal control tachometer fan connectors	Overheat LED indication, fan speed control, 5x 4-pin fan headers with tachometer monitoring	5 4-pin, Fan speed control, Overheat LED indication
Other Features	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection, System level control, WOL, 0°C -60°C operating temperature	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection, Intel® Smart Response Technology, System level control, WOL, 0°C -60°C operating temperature	ACPI power management, control of power-on mode for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection. Node Manager support	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel Smart Response Technology, WOL
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

	Low Power Bay Trail 4-Core SoC	*Intel® Atom™ N2800 HDMI, DisplayPort, VGA, LVDS*	*Intel® 3rd Gen. Core i7 vPro, mSATA*	*Intel® 3rd Gen. Core i7 IPMI, Quad LAN*
				
MODEL	**X10SBA X10SBA-L**	**X9SCAA X9SCAA-L**	**X9SPV-M4 X9SPV-M4-3UE X9SPV-M4-3QE**	**X9SPV-LN4F-3QE X9SPV-LN4F-3LE**
Processor	Intel® Celeron® Processor J1900 10W FCBGA1170 , 2.0-2.41GHz	Intel® Atom™ N2800 6.5W, FCBGA559 , 1.86GHz	Intel® Core™ i7-3555LE 25W, i7-3612QE(-3QE) 35W, i7-3517UE(-3UE) 17W, FCBGA1023	Intel® Core™ i7-3612QE 35W, Quad Core (-3QE), i7-3555LE(-3LE) 25W, FCBGA1023
Chipset/System Bus	SoC (System on Chip)	Mobile Intel® NM10 Express Chipset	Mobile Intel® QM77 Express Chipset	Mobile Intel® QM77 Express Chipset
Form Factor	Mini-ITX 6.7" x 6.7"	Mini-ITX 6.7"W x 6.7"H	Mini-ITX 6.75"W x 6.75"H	Mini-ITX 6.75"W x 6.75"H
Memory Capacity & Slots	2 DIMM slots, 8GB with two 4GB SODIMM configuration, 1.35V only	Up to 4GB DDR3 1066 MHz non-ECC SODIMM in 2 slots	Up to 16GB DDR3 1600/1333 MHz ECC SODIMM in 2 slots	Up to 16GB DDR3 1600/1333 MHz ECC SODIMM in 2 slots
Expansion Slots	1 PCI-E 2.0 x2 1 Mini-PCIe slot, 1 mSATA slot	1 PCI-32bit 1 Mini-PCIe (mSATA support)	1 PCI-E 3.0 x 16 1 Mini-PCIe (mSATA support)	1 PCI-E 3.0 x16
Onboard RAID Controller	SoC controller for 2 SATA2 (3 Gbps) ports; Marvel 88SE9230 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,10	2x SATA 2.0 (3Gb/s)	2x SATA 3.0 (6Gb/s) ports w/ RAID 0, 1 4x SATA 2.0 (3Gb/s) ports w/ RAID 0, 1, 5, 10	2x SATA 3.0 (6Gb/s) ports w/ RAID 0, 1 4x SATA 2.0 (3Gb/s) ports w/ RAID 0, 1, 5, 10
Onboard LAN	Dual LAN with Intel® Ethernet Controller I210-AT	Dual LAN ports with Intel® 82574L Gigabit Ethernet Controllers	Quad LAN ports with 3 Intel® 82574L and one Intel® 82579LM Gigabit Ethernet Controllers	Quad LAN ports with Intel® 82574L Gigabit Ethernet Controllers
Display Ports	1 VGA, 1 HDMI, 1 DP (DisplayPort), 1 eDP (Embedded DisplayPort), 2 independent displays	Intel® GMA3650 Graphic Controller HDMI+DisplayPort+VGA+LVDS	Intel® HD 4000 Graphic Controller DVI-I + HDMI + DisplayPort + eDP	BMC integrated Matrox G200 or Intel® HD Graphics 4000 VGA
USB Ports	1 USB 3.0 ports (rear) 5 USB 2.0 ports (1 rear + 3 via headers + 1 Type A)	2 USB 3.0 ports (via headers) 6 USB 2.0 ports (2 rear, 4 via headers)	4 USB 3.0 ports (2 rear, 2 via headers) 8 USB 2.0 ports (2 rear, 6 via headers)	4 USB 3.0 ports by headers 6 USB 2.0 ports (4 rear + 2 via headers)
Other Onboard I/O Devices	TPM 1.2 Header 4 COM Ports (headers)	4 fast UART one with RS422/485 PS/2 mouse & keyboard TPM header Audio Header	1 fast UART 16550 serial port PS/2 mouse & keyboard TPM header Audio Header	2 fast UART 16550 serial ports (1 rear, 1 header) PS/2 mouse & keyboard TPM header
Manageability	SuperDoctor® 5 Watchdog	Watch Dog SuperDoctor® 5	Watch Dog SuperDoctor® 5 AMT 8.0, vPro	IPMI 2.0 + KVM with dedicated LAN Watch Dog SuperDoctor® 5
Health Monitoring	Two 4-pin fan headers with tachometer monitoring, Supports system management utility, System level control	One 4-pin fan headers with tachometer monitoring, supports system management utility	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of three 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of four 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header
Thermal Control	Overheat LED indication, thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors
Other Features	4-pin 12v DC power connector, ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, System level control, WOL , 0°C – 60°C operating temperature	4-pin 12v DC power connector, ACPI power management, WOL, control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection. 0°C – 60°C operating temperature	ACPI power management, WOL, control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection, Intel® Smart Response Technology, Intel® Rapid Storage Technology. 0°C – 60°C operating temperature	ACPI power management, WOL, control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection, Intel® Smart Response Technology, Intel® Rapid Storage Technology 0°C – 55°C operating temperature
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

† Supermicro chassis required for optimal functionality and performance
* Please check Tested Memory List on Supermicro website for compatibility

	Embedded Communication Intel® Quick Assist Technology	*Intel® 3rd Gen. Core i7 vPro, 12V DC input*	*Intel® 3rd Gen. Core i7 Workstation & Desktop*	*Intel® 3rd Gen. Core i7 5 PCI slots, 8 COM ports*
				
MODEL	**X9SKV-1125 X9SKV-B915 X9SKV-1105**	**X9SCV-Q X9SCV-QV4**	**C7B75**	**C7H61/-L**
Processor	B915C Pentium (2C/15W), E3-1125C Xeon(4C/40W) or E3-1105CV2(4C/25W) Gladden FCBGA1284 CPU on board	2nd and 3rd Generation(-QV4) Intel® Core™ i7/i5/i3 & Celeron® processors in FCPGA988 socket	2nd and 3rd Generation Intel® Core™ i7/i5/i3 , Pentium® & Celeron® processors in LGA 1155 Socket	2nd and 3rd Generation Intel® Core™i7/i5/i3 ,Pentium® & Celeron® processors in LGA 1155 Socket
Chipset/System Bus	Intel® Communications Chipset 8903	Mobile Intel® QM67 Express Chipset	Intel® B75 Express Chipset	Intel® H61 Express Chipset
Form Factor	Flex ATX 9.0" x 7.2"	Mini-ITX 6.75"W x 6.75"H	Micro-ATX 9.6"W x 9.6"H	ATX 12"W x 9.6"H
Memory Capacity & Slots	Up to 32GB ECC SODIMM in 4 slots	Up to 16GB DDR3 1333/1066 MHz Non-ECC SODIMM, in 2 slots	Up to 32GB DDR3 1600/1333/1066 MHz Non-ECC UDIMM, in 4 slots	Up to 16GB of DDR3 1600/1333/1066 MHz Non-ECC UDIMM, in 2 slots
Expansion Slots	1 PCI-E 2.0 x8 Slot 7 or Slot 6 option by jumper setting	1 PCI-E 2.0 x16	1x PCI-E 3.0 x16 1x PCI-E 2.0 x4 (in x16) 1x PCI-E 2.0 x1 1x PCI 32-bit	1x PCI-E 3.0 x16 1x PCI-E 2.0 x1 5x PCI-32 slots
Onboard RAID Controller	Intel® AHCI controller for 2 SATA2 (3 Gbps) ports	2x SATA 3.0 (6Gb/s) ports w/ RAID 0,1 4x SATA 2.0 (3Gb/s) ports w/ RAID 0,1,5,10	1 SATA 3.0 (6Gb/s) 5 SATA 2.0 (3Gb/s)	2x SATA 3.0 (6Gb/s) 4x SATA 2.0 (3Gb/s) ports
Onboard LAN	Quad LAN with Intel® Ethernet Controller I350-AM4 Dual Intel® Ethernet Controller I210-AT, Total 6 GbE LAN port	Dual LAN with Intel® 82579LM & 82574L Gigabit Ethernet controller	Single LAN with Intel® 82579V Gigabit Ethernet controller	Dual LAN with Intel® 82579V & 82574L Gigabit Ethernet controller
Display Ports	N/A	Intel® HD Graphics 3000 2x HDMI +VGA+LVDS	Intel® HD Graphic 4000 DVI-D+ VGA	Intel® HD Graphics 4000 HDMI 1.4+DisplayPort + VGA
USB Ports	5 USB 2.0 ports (2 rear + 2 via headers, 1 type A))	11x USB 2.0 ports(6 rear+4 via headers + 1 Type-A)	4x USB 3.0 ports (2 rear, 2 via headers) 10x USB 2.0 ports(4 rear, 6 via headers)	2x USB 3.0 ports (header) 10x USB 2.0 ports (6 rear+4 via headers)
Other Onboard I/O Devices	1 SATA DOM power connector 2 fast UART 16550 serial (1 rear, 1 header) ; TPM 1.2 Header Quad Port Programmable LAN Bypass	1x SATA DOM power connector TPM 1.2 onboard 2x serial ports PS/2 mouse & keyboard Audio header	S/PDIF out & 7.1 HD audio 1x SATA DOM power connector connector TPM 1.2 onboard 4 Fast UART 16550 Serial ports (2 rear, 2 header)	S/PDIF out & 7.1 HD audio 1x SATA DOM power connector TPM 1.2 header 8 Fast UART 16550 Serial Ports (2 with RS422/485) PS/2 mouse & keyboard
Manageability	SuperDoctor III Watch Dog	Watch Dog Super Doctor III AMT 7.0, vPro	Watch Dog SuperDoctor® III	Watch Dog SuperDoctor® III
Health Monitoring	Monitors CPU voltages, +1.8V, +12V,+3.3V,+5V,+5V standby and total of four 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of 3 4-pin fan headers with tachometer monitoring, supports systemmanagement utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of four 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header	Monitors CPU voltages, +3.3V, +5V, +12V & +5V standby and total of four 4-pin fan headers with tachometer monitoring, supports system management utility, chassis intrusion header
Thermal Control	6 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors	Overheat LED indication, thermal control tachometer fan connectors
Other Features	ACPI power management, WOL, control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection Quad Port Programmable LAN Bypass 0°C -60°C operating temperature	ACPI power management, control of power-on mode for recovery from AC power loss, Adaptive thermal monitor & CPU thermal trip support for processor protection, Intel® Rapid Storage Technology 4-pin 12V DC power connector (-OV4 only) to facilitate embedded system compact design and configuration 0°C – 55°C operating temperature	ACPI power management, WOL, control of power-on mode for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection. 0°C – 60°C operating temperature	ACPI power management, WOL, control of power-on for recovery from AC power loss, Adaptive Thermal Monitor & CPU thermal trip support for processor protection 0°C – 60°C operating temperature
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

New! *WIO Expansion (1U)*

New! *ATX 6 PCI-E Expansion Slots*

New! *ATX 7 PCI-E Expansion Slots*

New! *On board SAS3 12 Gbs Storage Controller*

MODEL	X10SRW-F	X10SRi-F	X10SRL-F	X10SRH-CLN4F
Processor	Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families supported; Intel® Xeon® Processor E5-1600 V3; Intel® 4th Generation Core™ i7 series; CPU TDP support Up to 150W TDP	Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families supported; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families supported; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600/1600 v3 (Haswell) product families supported; CPU TDP support up to 145W
Chipset/System Bus	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Form Factor	ATX 12" x 9.6"	ATX 12" x 9.6"	ATX 12" x 9.6"	ATX 12" x 9.6"
Memory Capacity & Slots	256GB Registered ECC, DDR4 - 2133MHz; 64GB Unbuffered ECC/ non-ECC, DDR4 - 2133MHz in 8 DIMM slots	Up to 512GB Registered ECC, DDR4 - 2133MHz in 8 DIMM slots	Up to 512GB Registered ECC, DDR4 - 2133MHz in 8 DIMM slots	Up to 512GB Registered ECC, DDR4 - 2133MHz in 8 DIMM slots
Expansion Slots	4 PCI-E 3.0 x16 1 PCI-E 3.0 2 PCI-E 2.0 x1 (in x4 slot) *** 4 PCI-E 3.0x16 slots are running at 16/16/NA/8 or 16/8/8/8 ***	1 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8) 2 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot) 1 PCI-E 2.0 x2 (in x8 slot)	2 PCI-E 3.0 x8 (in x16 slot) 2 PCI-E 3.0 x8 2 PCI-E 3.0 x4 (in x8) 1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 3.0 x8 (in x16 slot) 2 PCI-E 3.0 x8 1 PCI-E 2.0 x2 (in x4 slot) 1 PCI-E 2.0 x4 (in x8 slot)
Onboard RAID Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,10 LSI® 3008 SW controller for 8 SAS3 (12Gbs) ports; RAID 0,1,10
Onboard LAN	Dual LAN with Intel® Ethernet Controller i210-AT Share with IPMI	Dual LAN with Intel® Ethernet Controller i350-AM2	Dual LAN with Intel® Ethernet Controller i210	Quad LAN with Intel® Ethernet Controller i350-AM4
Display Ports	AST2400 VGA* *VGA connector is for IPMI only	AST2400 VGA	AST2400 VGA	AST2400 VGA
USB Ports	4 USB 3.0 ports (4 rear) 4 USB 2.0 ports (4 rear) 4 USB 3.1 (10 Gb/s) ports (2 rear, 2 via header)	4 USB 3.0 ports (2 rear + 1 via header + 1 Type A) 8 USB 2.0 ports (2 rear + 6 via headers)	4 USB 3.0 ports (2 rear + 1 via header + 1 Type A) 8 USB 2.0 ports (2 rear + 6 via headers)	4 USB 3.0 ports (2 rear + 1 via header + 1 Type A) 8 USB 2.0 ports (2 rear + 6 via headers)
Other Onboard I/O Devices	Ext. Power Connector Only ALC 1150 HD Audio PS/2 mouse and keyboard TPM 1.2 onboard Header 1 COM port (1 header)	2 ports SuperDOM 2 fast UART 16550 serial TPM module header 2 COM Ports (1 rear, 1 header)	2 ports SuperDOM 2 fast UART 16550 serial TPM module header 2 COM Ports (1 rear, 1 header)	2 ports SuperDOM 2 fast UART 16550 serial TPM module header 2 COM Ports (1 rear, 1 header)
Manageability	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog
Health Monitoring	+1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, Chassis intrusion header, Monitors CPU voltages	+12V, +3.3V, +5V, +5V Standby, 6 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 6 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 6 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility
Thermal Control	5 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, Thermal control tachometer fan connectors	6 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control	6 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control	6 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control
Other Features	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Smart Response Technology, Voltage and Frequency Overclocking, WOL	ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Smart Response Technology, Node Manager Support, SDDC, UID, WOL	ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Smart Response Technology, Node Manager Support, SDDC, UID, WOL	ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Intel® Smart Response Technology, Node Manager Support, SDDC, UID, WOL
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

† Supermicro chassis required for optimal functionality and performance

* Please check Tested Memory List on Supermicro website for compatibility

6 PCI-E 3.0 slot, Dual 10GBase-T

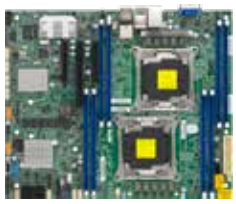
7 PCIe 3.0 slots HW SAS 3.0

Workstation 12" x 13", 7.1 HD Audio Thunderbolt AOC Support Performance Optimized

LSI 3108 SAS3 HW RAID Quad 10GbE LAN 24 DIMMs

MODEL	X10DRi X10DRi-T	X10DRH-C(T) X10DRH-i(T)	X10DAi	X10DRC-T4+/LN4+ X10DRi-T4+/LN4+
Processor	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 160W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W
Chipset/System Bus	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Form Factor	E. ATX 12" x 13"	E. ATX 12" x 13"	E. ATX 12" x 13"	E.E. ATX 13.68" x 13"
Memory Capacity & Slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, DDR4-2133MHz in 24 DIMM slots
Expansion Slots	3 PCI-E 3.0 x16 3 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8	3 PCI-E 3.0 x16 2 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot)	2 PCI-E 3.0 x16 3 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8 slot)
Onboard RAID Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10; LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbs) ports; RAID 0,1,5,6,10,50,60 (-C SKU only)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10; LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbs) ports; RAID 0,1,5,6,10,50,60 SuperCap option support
Onboard LAN	Dual LAN with Intel® i350 Gigabit Ethernet Controllers -T: Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers; -T: Dual LAN with 10GBase-T with Intel® X540 10GbE Controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller	-T4+: Quad LAN with Intel® X540 10GBase-T Ethernet Controller; -LN4+: Quad LAN with Intel® i350 Gigabit Ethernet Controllers
Display Ports	AST2400 VGA	AST2400 VGA	N/A	AST2400 VGA
USB Ports	5 USB 3.0 ports (2 rear + 2 via header + 1 Type A) 6 USB 2.0 ports (2 rear + 4 via headers)	5 USB 3.0 ports (2 rear + 2 via header + 1 Type A) 4 USB 2.0 ports (2 rear + 2 via headers)	6 USB 3.0 ports (4 rear + 2 via header) 5 USB 2.0 ports (2 rear + 2 via headers + 1 Type A)	5 USB 3.0 ports (2 rear + 2 header + 1 Type A)
Other Onboard I/O Devices	2 ports SuperDOM TPM module header 2 COM Ports (1 rear, 1 header)	2 ports SuperDOM TPM module header 2 COM Ports (1 rear, 1 header)	2 ports SuperDOM 7.1 HD Audio TPM module header Thunderbolt AOC Header	2 ports SuperDOM TPM module header 2 COM Ports (1 rear, 1 header)
Manageability	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI SPM, SUM, SuperDoctor® 5, Watchdog	NMI SuperDoctor® 5 Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI SPM, SUM, SuperDoctor® 5, Watchdog
Health Monitoring	+12V, +3.3V, +5V, +5V Standby, 3.3v standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V standby, 3.3V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 3.3v standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 3.3v standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility
Thermal Control	8 4-pin, Overheat LED indication, PWM fan speed control, System level control	8 4-pin, Overheat LED indication, PWM fan speed control, System level control	8 4-pin, Overheat LED indication, PWM fan speed control, System level control	8 4-pin, Overheat LED indication, PWM fan speed control, System level control
Other Features	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, SDDC, WOL	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL, UID
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

12" x 10" Cost-Effective SAS3 HW RAID Dual 10GbE, Dual 1GbE



12" x 10" Cost-Effective

12" x 13" WIO, Dual 10GbE SAS3 AOM

Datacenter Optimized 3 AOC in 1U SAS3 AOM Support 4 Ports NVMe

MODEL	X10DRL-C(T)	X10DRL-I	X10DRW-i X10DRW-iT	X10DDW-i X10DDW-iN
Processor	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W	Intel® Xeon® Processor E5-2600 v3 (Haswell) product family supported; QPI up to 9.6GT/s; CPU TDP support up to 145W
Chipset/System Bus	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset	Intel® C612 Chipset
Form Factor	ATX 12" x 10"	ATX 12" x 10"	Proprietary 12.3" x 13"	Proprietary 12.8" x 13.4"
Memory Capacity & Slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 512GB ECC LRDIMM, 256GB ECC RDIMM, DDR4-2133MHz in 8 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, DDR4-2133MHz in 16 DIMM slots
Expansion Slots	2 PCI-E 3.0 x8 1 PCI-E 3.0 x16	3 PCI-E 3.0 x8 1 PCI-E 3.0 x16 1 PCI-E 3.0 x4 (in x8 slot) 1 PCI-E 2.0 x4 (in x8 slot)	1 PCI-E 3.0 x32 Left Riser Slot 1 PCI-E 3.0 x16 Right Riser Slot 1 PCI-E 3.0 x16 for SAS3 AOM	1 PCI-E 3.0 x24 Left Riser Slot 1 PCI-E 3.0 x8 Right Riser Slot 1 PCI-E 3.0 x8 for SAS3 AOM
Onboard RAID Controller	Intel® C612 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10; SAS3 LSI® 3108 HW with 2G Cache controller for 8 SAS3 (12Gbs) ports; RAID 0,1,5,6,10,50,60 (for -CT only)	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
Onboard LAN	Dual LAN with Intel® i210 Gigabit Ethernet Controller Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i210 Gigabit Ethernet Controller	-i: Dual LAN with Intel® i350 Gigabit Ethernet Controllers -iT: Dual LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with Intel® i350 Gigabit Ethernet Controllers
Display Ports	AST2400 VGA	AST2400 VGA	AST2400 VGA	AST2400 VGA
USB Ports	4 USB 3.0 ports (2 rear + 2 via header) 3 USB 2.0 ports (2 via headers + 1 Type A)	4 USB 3.0 ports (2 rear + 2 via header) 5 USB 2.0 ports (2 rear + 2 via headers + 1 Type A)	6 USB 3.0 ports (4 rear + 2 via header)	3 USB 3.0 ports (2 rear +1 Type A) 4 USB 2.0 ports (2 rear + 2 via headers)
Other Onboard I/O Devices	2 ports SuperDOM 1 SATA DOM power connector TPM onboard header 1 COM port (1 header) SuperCAP connector (-C SKU only)	2 ports SuperDOM 1 SATA DOM power connector TPM Module header 2 COM ports (1 rear, 1 header)	2 ports SuperDOM TPM module header 1 COM port (1 header)	2 ports SuperDOM TPM module header 1 COM port (1 header) -iN: 4 ports internal NVMe
Manageability	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI, SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI SPM, SUM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, NMI SPM, SUM, SuperDoctor® 5, Watchdog
Health Monitoring	+12V, +3.3V, +5V, +5V standby, 8 -fan status, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 3.3v standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V Standby, 3.3v standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility	+12V, +3.3V, +5V, +5V standby, 3.3V standby, Chassis intrusion header, Monitors CPU voltages, Supports system management utility
Thermal Control	8 4-pin, Overheat LED indication, PWM fan speed control	8 4-pin, Overheat LED indication, PWM fan speed control, System level control	6 4-pin, Fan speed control, Overheat LED indication, PWM fan speed control, System level control, Thermal control tachometer fan connectors	8 4-pin, Overheat LED indication, PWM fan speed control, System level control
Other Features	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL, UID	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL, UID	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL, UID	ACPI power management, ATX Power connector, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Node Manager Support, SDDC, WOL
BIOS	AMI UEFI	AMI UEFI	AMI UEFI	AMI UEFI

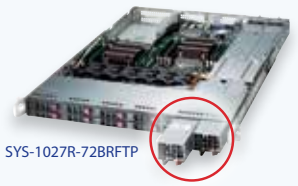
New! *Fanless* *New!* *1U-Height* *New!* *Mini Tower* *New!* *Front I/O*

Model	SCE100-015E	SC101S	SC101i	CSE-721TQ-250B	SC504-203B	SC505-203B	SC510T-203B	SC512L-260B-LCD
Form Factor	E100 Box PC	1U Mini ITX Box PC	Mini-ITX Box PC	Mini Tower	1U Rackmount	1U Rackmount Front I/O	1U Rackmount	1U Rackmount
Compatible Motherboard	4"x4.1"	Mini ITX	Mini-ITX	Mini ITX	Flex ATX, Mini-ITX	Flex ATX, Mini-ITX	MicroATX	ATX, MicroATX
CPU Support	Single processor	Single processor	Single processor	Single processor	Single processor	Single processor	Single processors	Single processors
Drive Bays	N/A	1x Fixed 2.5" SATA	1x Fixed 2.5" SATA	4 x 3.5" Hot-Swap SATA HDD 2x internal 2.5" SATA HDD	2 x Fixed 3.5" or 4 x Fixed 2.5" SATA	2 x Fixed 3.5" or 4 x Fixed 2.5" SATA	2x hot-swap 2.5"SATA	1x Fixed 2.5" or 3.5" SATA
Expansion Slots	2x Mini PCIe and 1x Micro SDHC internal slot	2x Mini PCIe	1x Mini-PCIe (optional)	1 x low profile, half-length	1x full-height, half- length	1x full-height, half- length	1x low profile, half- length	1x full-height, half- length
Power Supply	15W Power Adapter	60W Power Adapter	60W / 80W Power Adapter	250W Flex ATX Multi-output Bronze Power Supply	200W High-Efficiency Power Supply 80 PLUS® Gold Certified	200W High-efficiency Power Supply 80 PLUS® Gold Certified	200W High-efficiency Power Supply 80 PLUS®	260W Power Supply
Dimensions (WxDxH)	5.3"x4.3"x1.4" 135 x 109 x 36 mm	7.68"x7.68"x1.7" 195 x 195 x 43 mm	7.68"x7.68"x2.68" 195 x 195 x 68 mm	11"x8.27"x9.45" 280 x 210 x 240 mm	17.2"x9.8"x1.7" 437 x 249 x 43 mm	17.2"x9.8"x1.7" 437 x 249 x 43 mm	17.2"x11.3"x1.7" 437 x 287 x 43 mm	16.8"x14"x1.7" 437 x 356 x 43 mm

BBP® (Battery Backup Power) Solutions

New, innovative, Battery Backup Power (BBP®) technology providing a cost-effective infrastructure solution for mission-critical server and storage operation. The PWS-1K03B-1R is an industry-first Battery Backup Power (BBP®) module contained in the same form factor as a Supermicro redundant AC power supply (76W x 360D x 40.4H mm). This module is hot-swappable and fits Supermicro 1U/2U/3U/4U chassis providing high output power in 1200W/1min and 1000W/2.5 min options. These can be implemented in 1+1+1 (2 AC modules + 1 BBP® Module), 1+2 (1 AC + 2 BBP® @ 2000W) or 2+2 (2 AC + 2 BBP® @ 2000W) configurations. For Supermicro's 1U servers, the PWS-206B-1R (54.5W x 220D x 40H mm) provides BBP® protection in 200W/5min and 100W/15min options.

Model	PWS-206B-1R	PWS-1K03B-1R
Total Output Power	200W / 5 minutes	1000W / 2.5 minutes
Input	Work w/ PWS-406P / 503P / 606P / 703P-1R	Work w/ PWS-1K28P-SQ / PWS-920P-SQ / PWS-741P-1R / PWS-501P-1R
Form Factor	1U	1U
Dimension (LxWxH) cm	22 x 5.45 x 4	36 x 7.6 x 4
Battery Capacity	40Whr	97Whr
Redundant	Yes	Yes
I²C Remote Monitoring	FRU/Smart battery I²C	FRU/Smart battery I²C
+12V	16.7A	83.3A
5VSB	2A	4A
Efficiency	Online mode power consumption less than 2W	Online mode power consumption less than 2W



SYS-1027R-72BRFTP

SYS-6037R-72RFT+ (rear view)

New!
Short-Depth Front I/O DP/UP Solutions

New!
Short-Depth DP/UP Solutions

CSE-515-350	SC512F-350B	SC514-R400W SC-514-R400C	SC813MTQ-202CB	SC825MTQ-R700LPB	SC835BTQ-R1K28	SC842XTQ-R606B
1U Rackmount	1U Rackmount	1U Rackmount	1U Rackmount	2U Rackmount	3U Rackmount	4U Rackmount
E-ATX, ATX, MicroATX /WIO	ATX, MicroATX	WIO E-ATX 12.3"x13"	E-ATX, ATX, MicroATX	E-ATX, ATX, MicroATX	E-ATX, ATX, MicroATX	E-ATX, ATX, MicroATX ; max. motherboard size 15.2" x 13.2
Dual and single processors	Single processors	Dual and single processors	Dual and single processors	Dual and single processors	Dual and single processors	Dual and single processors
Up to Fixed 8x 2.5" or 3x 3.5"	2x Fixed 2.5" or 3.5" SATA	2 x Fixed 2.5" HDD	4x 3.5" Hot-swap SAS / SATA	3x 3.5" Hot-swap SAS / SATA	8x Hot-swap 3.5" SAS / SATA	5x Hot-swap 3.5" SAS / SATA
Up to 2 x full-height	1x full-height, half- length	2 x full-height, 1 low profile 1 full height expansion slot	1x full-height	7 low-profile expansion slots	7x full-height, full-length	7x full-height, full-length and 4x full-height, half-length
350W High-efficiency Power Supply 80 PLUS® Platinum Certified	350W High-efficiency Power Supply 80 PLUS® Gold Certified	400W (1+1) Redundant SuperCompact Gold-level power supply with PMBus and I2C	200W Power Supply	700W Redundant High-Efficiency Power Supply	1280W Redundant Platinum Level Power Supply	600W Redundant High- Efficiency Power Supply 80 PLUS® Platinum Certified
17.2"x16.9"x1.7" 437 x 429 x 43 mm	17.2"x14.5"x1.7" 437 x 369 x 43 mm	17.2"x16.9"x1.7" 437 x 429 x 43 mm	17.2"x25.6"x1.7" 437 x 650 x 43 mm	17.2"x17.7"3.5" 437x 450 x 89 mm	17.2" x 20.5" x 7" 437 x 521 x 178mm	17.2" x 20.5" x 7" 437 x 521 x 178mm

Runtime of the BBP™ Modules

Under typical conditions, below is the Estimated Runtime of the current BBP™ modules. Runtime can be extended by adding additional BBP™ modules to a system.

Power Loading	Estimated Runtime		
	PWS-206B-1R	PWS-206B-1R x2	PWS-1K03B-1R
100W	15 min.	20 min.	45 min.
200W	5 min.	10 min.	27 min.
250W	2 min.	7 min.	18 min.
350W	--	6 min.	15 min.
400W	--	5 min.	13 min.
500W	--	1.5 min.	10 min.
1000W	--	--	2.5 min.

1U Riser Cards

Product Image	Model Name	Riser Card Output Type
	**RSC-R1U-33**	1x PCI
	**RSC-RR1U-E8**	1x PCI-E x8
	**RSC-RR1U-E16**	1x PCI-E x16

Front Bezel/LCD

Product Image	Model Name	Feature	Form Factor / Chassis
	**MCP-220-00095-0B**	LCD display kits	5.25" bay
	**MCP-220-00119-0B**	Full-color OLED kit	3.5"HDD bay
	**MCP-210-00007-01**	Front bezel with LCD display	SC813/813M series
	**SCPTFB-813LB**	Front bezel with lock	SC813/813M series
	**MCP-210-82502-0B**	Front bezel with lock	SC825M series
	**MCP-210-84201-0B**	Front bezel with lock	SC842 series

LCD Screen Module

The Supermicro LCD screen module features green LCD display screen. The module displays two backlighted lines of data with 16 characters per line, and includes 6 front access keys (4-way direction keys and Enter/ Cancel buttons), and USB interface with pin header to support up to 100cm of cable connected to a communications terminal.

Embedded Motherboards

Supermicro offers a full range of standard form factor motherboards that include Mini-ITX, Micro-ATX, ATX, and E-ATX. These long life cycle motherboards support single and dual Intel® processors by delivering the latest technology and the best performance. The proprietary form factor motherboard provides 11-slots with PCI-E 3.0 for extreme expansion.

IPC Rackmount Chassis

Supermicro offers a full range of short depth 1U to 4U Rackmount chassis in various configuration and expansion capabilities. These chassis are designed to support embedded motherboards, such as Mini-ITX, Micro-ATX, ATX, and E-ATX and proprietary form factors. Features include high-efficiency power supplies, redundant power supply, hot-swap accessories, storage and cooling options.

SuperServer®

Supermicro combines 20+ years of advanced engineering experience with efficient production and integration expertise. Supermicro offers first-to-market embedded computing SuperSever®'s that are fully configured and provides one-stop solution from design support to worldwide service.

Accessories

Supermicro offers a wide variety of tested and certified easy-to-use accessories that are optimized for our server solutions. Standard accessories offering include networking and storage Add-on cards, OLED and LCD system status display kits, AC and DC high-efficiency power supply, battery backup power modules and Hot-swap Mobile Racks.

Supermicro mSATA

Based on the JEDEC mini-mSATA (MO300B Variation B) form factor, this Super Micro storage device is engineered to deliver big performance in a small package.

With built-in Wear-Leveling and ECC to ensure reliability of data transfers over time, this compact device is the perfect solution for holding the essential boot files of the operating system and the most used applications.

Besides the Supe Micro mini-mSATA's compact size, you also have the speed of SATA3 (Up to 530MB/s Read and 185MB/s Write) and backward compatibility with previous SATA generations.

The Super Micro mini-mSATA is currently available in 64GB capacity and supports all Super Micro SuperServer® products and solutions.

-SMC Part Number	*-Description*
-SSD-MS064-PHI	-SMC 64GB MLC mini-mSATA

Supermicro SATA DOM

Designed to be conveniently inserted into a server board SATA connector, this Super Micro SATA DOM (Disk on Module) is a small SATA3 (6Gb/s) flash memory module that provides high-performance solid-state-storage capacity that simulates a hard disk drive (HDD).

Super Micro SATA DOMs are extremely reliable as they do not use any moving parts like the standard HDDs and are smaller and lighter with greatly improved performance, latency and power consumption.

With its optimized design, the Super Micro SATA DOM does not require a 5V power cable as do other SATA DOM products on the market.

The Super Micro SATA DOM is available in 16GB, 32GB, and 64GB capacities and supports all Super Micro SuperServer® products and solutions.

-SMC Part Number	*-Description*
-SSD-DM016-PHI	-SMC 16GB MLC SATA DOM
-SSD-DM032-PHI	-SMC 32GB MLC SATA DOM
-SSD-DM064-PHI	-SMC 64GB MLC SATA DOM

Supermicro Ethernet Switch

The SSE-G2252 switches offer a full range of popular Ethernet features like Jumbo Frames, Link Aggregation, VLANs, Energy Efficient Ethernet, and a Power over Ethernet option. All of this is done in a compact 1U form factor for maximum flexibility in rack-mount installation.

OEM Design-in Services

Supermicro is a technology provider of embedded building blocks. We are the First to Market in embedded solutions for critical OEM applications and provide a wide choice of off-the-shelf embedded building blocks - along with long product lifecycle, open standards, designed to high quality with world class support.

Supermicro Trusted Platform Module (TPM)

The Supermicro AOM-TPM9655V/H is a security hardware device on the system board that will hold computer generated keys for encryption. Supermicro's outstanding hardware base solution ensures that the information like keys, password and digital certificates stored within is made more secure from external software attacks and physical theft. With the handful of keys it stores, all cryptographic functions are performed on the chip. AOM-TPM9655V/H is an ideal tool for customers who are looking for additional layer of security to their super servers.

About Supermicro

Super Micro Computer, Inc. or Supermicro® (NASDAQ: SMCI), a global leader in high-performance, high-efficiency server technology and innovation is a premier provider of end-to-end green computing solutions for Enterprise IT, Data Center, Cloud Computing, Big Data, HPC and Embedded Systems worldwide. Founded in 1993 and headquartered in San Jose, California, Supermicro has been profitable every year since inception and has annual sales over $1 billion. Products are sold through major distribution channels including VARs, SIs and OEMs worldwide, as well as through its direct sales force. Operations centers are located in Silicon Valley, the Netherlands, and a new 1 million+ square foot Science & Technology Park and advanced integration facility in Taiwan.

Worldwide Headquarters Campus
Silicon Valley, U.S.A.

European Campus
The Netherlands

San Jose Green Computing Park
Silicon Valley, U.S.A.

Asia Science & Technology Park
New Taipei City, Taiwan

About Supermicro Embedded/IoT Solutions

Supermicro provides innovative and first-to-market technologies that are the building blocks for today's embedded computing platforms. Rapid growth in the embedded markets and open standards are driving the need for higher levels of product integration and optimization through network connectivity, remote management, mobile communication, expanded I/O, and device to device communications using space and power efficient configurations. We offer the widest choice of off-the-shelf building blocks to meet customer needs that are optimized to specific applications. Supermicro's high-performance embedded motherboards offer the most extensive selection in the industry, utilizing Intel® processors and chipsets that meet our customer's needs.

About Supermicro Global Services

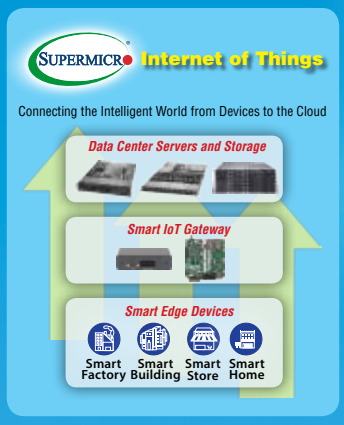
As a leading provider of Building Block Solutions® for Data Centers, Supermicro is the premier choice for your professional support services- offering global coverage and highly efficient, on-time responsiveness to meet your hardware maintenance challenges. Supermicro's goals are to help you improve your service levels, reduce operating expenses through efficiency, while extending your overall infrastructure value through maximum uptime. With Supermicro Super Services, you can count on results through these areas below:

- *Flexible and customizable service level agreements (SLA)*
- *Highly efficient support systems and processes.*
- *Direct access to Level III services staff, field service engineers, and support operation management.*
- *Live, domestic call center responses, not an automated voice system*
- *Single point of contact for support in a complex environment*

Supermicro's focus is to ensure that you protect your hardware investment by maintaining a high level of uptime. We promise each customer professional levels of responsiveness, accountability, collaboration and quality.

Embedded Building Block Solutions

Supermicro focuses on application optimization, product quality, availability, world wide support and total customer satisfaction. We are a leading innovator in high-performance, high-efficiency server technology and a premier provider of end-to-end server solutions for Enterprise IT, HPC, Big Data and Cloud Computing worldwide. Our server technology proficiency, highly reliable design philosophy, long product life cycle and cost competitiveness, have all been integrated into our embedded products. With our extensive knowledge and expertise in high-end server design and manufacturing, Supermicro offers the embedded market the highest quality products and solutions that meet even the most challenging embedded design needs.



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