

# SUPERMICRO®

## Scaling UP

### Next Generation UP Server Solutions

Up to 25% Performance Improvement • 2x Memory Footprint  
4 Additional PCI-E Lanes • SATA 3.0



SYS-5037C-I

SYS-5037C-T



SYS-5017C-LF



SYS-5017C-MTRF



SYS-5017C-MF



SYS-5017C-TF



SYS-5017C-MTF



SYS-1017C-TF



**Power Efficiency**  
For TCO improvement and  
earth-friendly computing



#### Higher Performance

- Supports Intel® Xeon® processor E3-1200 series with Integrated Memory Controller
- 32GB of DDR3 ECC 1333/1066 MHz UDIMM
- PCI-Express 2.0 for up to 5 GT/s transfer speeds
- SATA 3.0 (6 Gb/s) ports
- USB 3.0 (5 Gb/s) ports

#### Better Efficiency

- Gold Level high efficiency power supply
- 90%+ VRM power efficiency
- Optimized thermal system
- Energy Star compliant

#### Improved TCO

- Highly integrated two-chip solution
- On-board IPMI 2.0 support reduces remote management costs



**Power Efficiency**  
For TCO improvement and



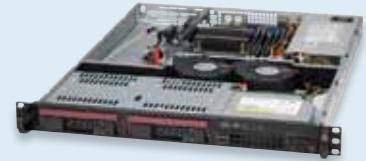
**Gold Level Power**



**Short-Depth Chassis**



**2x SATA 3.0 (6Gb/s)  
Gold Level Power**



MODEL	SuperServer® 1017C-TF	SuperServer® 5017C-LF	SuperServer® 5017C-TF
<b>Key Features</b>	<ul style="list-style-type: none"> <li>• Cloud and other virtualization needs, hosting &amp; application delivery, database processing &amp; storage, simulation, automation</li> <li>• Higher I/O performance &amp; low-TCO mainstream server</li> <li>• 4x 2.5" SAS/SATA drive bays</li> <li>• Up to 32GB DDR3 SDRAM</li> <li>• 1x PCI Express x8 slot</li> <li>• IPMI 2.0 + KVM w/dedicated LAN</li> <li>• <b>Gold Level</b> power supply</li> </ul>	<ul style="list-style-type: none"> <li>• File server, e-mail server, web server for small business &amp; other server applications</li> <li>• Optimized for server appliance</li> <li>• 32GB UDIMM ECC DDR3 SDRAM</li> <li>• 1x PCI-E x8 slot</li> <li>• IPMI 2.0 + KVM with dedicated LAN</li> <li>• Cost-effective UP platform</li> </ul>	<ul style="list-style-type: none"> <li>• File server, e-mail server, web server for small business &amp; other server applications</li> <li>• SATA 3 6.0Gb/s support</li> <li>• Optimized for server appliance</li> <li>• 32GB UDIMM ECC DDR3 SDRAM</li> <li>• 350W <b>Gold Level</b> high-efficiency power supply</li> <li>• IPMI 2.0 + KVM with dedicated LAN</li> </ul>
<b>Processor Support</b>	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
<b>Optimized Serverboard</b>	SUPER● X9SCL-F	SUPER● X9SCL-F	SUPER● X9SCM-F
<b>Chipset</b>	Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
<b>System Memory (max.)</b>	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets
<b>Expansion Slots</b>	1x PCI-Express 2.0 x8	1x PCI-Express 2.0 x8	1x PCI-Express 2.0 x8
<b>Onboard Storage Controller</b>	Intel® 4 SATA2 (3Gb/s) RAID 0, 1, 5, 10 (Windows) Optional RAID 0, 1, 10 (Linux)	Intel® 2 SATA2 (3Gb/s) RAID 0, 1, 5, 10 (Windows) Optional RAID 0, 1, 10 (Linux)	2x SATA3.0 (6Gb/s) w/ RAID 0, 1, 5, 10; 4x SATA2.0 (3Gb/s) w/ RAID 0, 1, 5, 10
<b>Networking/VGA/USB</b>	Dual LAN with Intel® 82574L & Intel® 82579LM Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports	Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports
<b>Manageability</b>	IPMI 2.0 + KVM with dedicated LAN; SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN; SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN; SuperDoctor® III, Watch Dog
<b>Drive Bays</b>	4x 2.5" hot-swap SATA2 drive bays 1x slim DVD-ROM drive (optional)	1x 3.5" hot-swap SATA2; or 2x 2.5" SATA2 drive bays Optional 1x slim DVD-ROM drive	2x 3.5" hot-swap SATA 3/2 drive bays Optional 1x slim DVD-ROM drive
<b>Power Supply</b>	330W Gold Level high-efficiency power supply	200W Low-power power supply	350W Gold Level high-efficiency power supply
<b>Cooling System</b>	3x 4cm heavy duty counter-rotating fans w/ optimal fan speed control	None	2x 10cm high performance PWM blower fans w/ optimal fan speed control
<b>Form Factor</b>	1U Rackmount 426 x 43 x 558mm (16.8" x 1.7" x 21.95") <i>* Please check "Tested Memory List" on Supermicro website for compatibility.</i>	1U Rackmount 437 x 43 x 287mm (17.2" x 1.7" x 11.3")	1U Rackmount 426 x 43 x 574mm (16.8" x 1.7" x 22.6")

## Gold Level Redundant Power



## Short-Depth Chassis Gold Level Power



## Tool-Less Design



## 21dB Whisper-Quiet Tool-Less Design



SuperServer® 5017C-MTF SuperServer® 5017C-MTRF	SuperServer® 5017C-MF	SuperServer® 5037C-i	SuperServer® 5037C-T
<ul style="list-style-type: none"> <li>File server, e-mail server, web server for small business &amp; other server applications</li> <li>SATA 3 6.0Gb/s support</li> <li>Optimized for small business</li> <li>32GB UDIMM ECC DDR3 SDRAM</li> <li>350W <b>Gold Level</b> high-efficiency power supply</li> <li>IPMI 2.0 + KVM with dedicated LAN</li> <li>Cost effective UP platform</li> <li>350W / Redundant 400W Gold Level high-efficiency power supply</li> </ul>	<ul style="list-style-type: none"> <li>Client nodes, firewalls, web, email, file servers, clustering, NAS storage, and other space constrained applications</li> <li>Compact size chassis</li> <li>Optimized for server appliance</li> <li>16GB UDIMM or 32GB RDIMM ECC DDR3 SDRAM</li> <li>350W <b>Gold Level</b> high-efficiency power supply</li> <li>Cost effective UP platform</li> </ul>	<ul style="list-style-type: none"> <li>Workstation, multimedia appliance, SOHO entry-level server</li> <li>Mini-tower form factor</li> <li>Tool-less chassis design</li> <li>300W Bronze Level power supply</li> <li>Whisper-quiet operation at 25dB</li> <li>Extremely cost effective</li> <li>Optional card reader available</li> </ul>	<ul style="list-style-type: none"> <li>Workstation, multimedia appliance, SOHO entry-level server</li> <li>Mid-tower form factor</li> <li>Tool-less chassis design</li> <li>500W Bronze Level low-noise PS2 power supply</li> <li><b>Whisper-quiet operation at 21dB</b></li> <li>2x front USB 2.0 ports</li> <li>Optional LCD display</li> <li>Optional versatile Front I/O Access available</li> </ul>
Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket	Intel® Xeon® processor E3-1200 series, Core™ i3, Pentium® & Celeron® in LGA 1155 socket
SUPER● X9SCL-F	SUPER● X9SCL-F	SUPER● X9SCL	SUPER● X9SCA
Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C202 PCH chipset	Intel® C204 PCH chipset
32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets	32GB* UDIMM ECC Unb. DDR3 1333/1066/800 SDRAM in 4 DIMM sockets
1x PCI-Express 2.0 x8	1x PCI-Express 2.0 x8	2x PCI-E 2.0 x8 (in x8 slot) 1x PCI-E 2.0 x4 (in x8 slot)	1x PCI-E 2.0 x16, 1x PCI-E 2.0 x4 (in x8 slot), 1x PCI-E 2.0 x4, and 3x PCI-32 slots
Intel® 4 SATA2 (3Gb/s) RAID 0, 1, 5, 10 (Windows) Optional RAID 0, 1, 10 (Linux)	Intel® 2 SATA2 (3Gb/s) RAID 0, 1, 5, 10 (Windows) Optional RAID 0, 1, 10 (Linux)	Intel® 6 SATA2 (3Gb/s) RAID 0, 1, 5, 10 (Windows) Optional RAID 0, 1, 10 (Linux)	2x SATA3.0 (6Gb/s) w/ RAID 0, 1; 4x SATA2.0 (3Gb/s) w/ RAID 0, 1, 5, 10
Dual LAN with Intel® 82574L & 82579LM Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports	Dual LAN with 2x Intel® 82574L Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports	Dual LAN with 2x Intel® 82574L Gigabit Ethernet controllers Nuvoton graphics 9x USB 2.0 ports (2 rear + 6 via header + 1 Type-A)	Dual LAN with 2x Intel® 82574L Gigabit Ethernet controllers Nuvoton graphics 8x USB 2.0 ports (2 rear + 6 via headers)
IPMI 2.0 + KVM with dedicated LAN; SuperDoctor® III, Watch Dog	IPMI 2.0 + KVM with dedicated LAN; SuperDoctor® III, Watch Dog	SuperDoctor® III, Watch Dog	SuperDoctor® III, Watch Dog
4x 3.5" hot-swap SATA drive bays Optional 1x slim DVD-ROM drive	2x 3.5" or 2.5" internal drive bay Optional 1x slim DVD-ROM drive	90° rotatable HDD cage design 4x 3.5" fixed SATA drive bays 2x 5.25" drive bays	90° rotatable HDD cage design 4x 3.5" fixed SATA drive bays, 2x 5.25" & 1x 3.5" drive bays Optional 4x 2.5" fixed SATA drive bays
<b>5017C-MTF:</b> 350W <b>Gold Level</b> high-efficiency power supply <b>5017C-MTRF:</b> Redundant 400W <b>Gold Level</b> high-efficiency power supply	<b>350W Gold Level</b> high-efficiency power supply	300W Bronze Level low-noise power supply	500W Bronze Level low-noise PS2 power supply
4x 4cm heavy duty fans w/ optimal fan speed control	2x 4cm counter-rotating fans & optimal fan speed control	1x rear 9.2cm PWM fan w/toolless design; Optional 1x front 8cm cooling fan	1x front & 1x rear 12cm(1850rpm) cooling fan Optional 1x front 12cm cooling fan
1U Rackmount 437 x 43 x 503mm (17.2" x 1.7" x 19.85")	Mini 1U Rackmount 437 x 43 x 369mm (17.2" x 1.7" x 14.5")	Mini Tower (SC731i-300B) 362 x 184 x 425mm (14.25" x 7.25" x 16.75")	Mid-Tower (SC732i-500B) 424 x 193 x 525mm (16.7" x 7.6" x 20.68")

# SUPERMICR<sup>®</sup> UP Processor Based Server & Desktop Solutions

Supermicro's stellar server products deliver solid performance and mission-critical reliability for customer applications. The servers are available in a wide range of form factors to provide the best compatibility for new or existing infrastructures; designed with a fully-modular approach to allow for the highest degree of serviceability; include high-efficiency components such as 80PLUS level power supplies and high-integrity enclosure materials; and warranty protection for ease of mind. Incredible processing speed gains come courtesy of the Intel<sup>®</sup> Sandy Bridge H2 (LGA 1155) processor technology, built-in visual processing hardware and Turbo Boost Technology 2.0. Data processing capabilities are enhanced with SATA 2.0 and 3.0 ports, RAID storage options, DOM (Disk on Module) support and USB Type A. All of these features offer industry-leading performance, a high level of flexibility and excellent TCO overall.

## UP Motherboards with SATA 3.0 (6Gb/s) / USB 3.0 (5Gb/s)

QM67 Chipset



**X9SCV-Q**

- Intel<sup>®</sup> Xeon<sup>®</sup> Sandy Bridge-M processors; socket G2 (rPGA 989)
- Intel<sup>®</sup> QM67 Chipset
- 16GB DDR3 1066/1333 MHz non-ECC UDIMM
- Intel<sup>®</sup> 82579LM and 82574L; 2x Gigabit Ethernet LAN ports
- 4x SATA2 (3 Gb/s) and 2 SATA3 (6 Gb/s) w/ RAID 0, 1, 5, 10
- 1x PCI-E 2.0 x16 slot
- Intel<sup>®</sup> HD3000 graphics
- 14x USB 2.0 ports (6 rear + 8 via header)
- HD audio headers, S/PDIF Realtek ALC889 header
- vPro 7.0, AMT 7.0, TPM 1.2 onboard
- 2x HDMI ports, VGA D-Sub & DOM power connectors
- Form factor: Mini-ITX, 6.7" x 6.7"

C204 Chipset; 6Gb SATA 3.0; Quad LAN



**X9SCL-LN4(-F)**

- Intel<sup>®</sup> Xeon<sup>®</sup> processor E3-1200 family, Intel<sup>®</sup> 2nd Generation Core i3 processor & Intel<sup>®</sup> Pentium<sup>®</sup> processor family; Socket H2
- Intel<sup>®</sup> C204 PCH Express Chipset
- 32GB of DDR3 ECC 1333/1066 MHz UDIMMs in 4 DIMMs
- 1x PCI-E 2.0 x16, 1x PCI-32 slot
- 4x SATA 2.0 (3Gb) ports w/ RAID 0, 1, 5, 10;
- 2x SATA 3.0 (6Gb) ports w/ RAID 0, 1
- Quad LAN w/ Intel<sup>®</sup> 82574L Gigabit Ethernet
- Integrated Matrox G200eW Graphics
- Up to 8x USB 2.0 ports
- Dedicated IPMI LAN port (F version)
- Form factor: ATX 12" W x 9.6" H

C204 Chipset; 6Gb SATA 3.0



**X9SCA(-F)**

- Intel<sup>®</sup> Xeon<sup>®</sup> processor E3-1200 family, Intel<sup>®</sup> 2nd Generation Core i3 processor & Intel<sup>®</sup> Pentium<sup>®</sup> processor family; Socket H2
- Intel<sup>®</sup> C204 PCH Express Chipset
- 32GB of DDR3 ECC 1333/1066 MHz UDIMMs in 4 DIMMs
- 1x PCI-E 2.0 x16, 2x PCI-E 2.0 x4 (in x8 slots), 3x PCI-32 slots
- 4x SATA 2.0 (3Gb) ports w/ RAID 0, 1, 5, 10;
- 2x SATA 3.0 (6Gb) ports w/ RAID 0, 1
- Dual LAN w/ Intel<sup>®</sup> 82574L Gigabit Ethernet
- Integrated Matrox G200eW Graphics
- Up to 8x USB 2.0 ports
- Dedicated IPMI LAN port (F version)
- Form factor: ATX 12" W x 9.6" H

C204 Chipset; 6Gb SATA 3.0



**X9SCM(-F)**

- Intel<sup>®</sup> Xeon<sup>®</sup> processor E3-1200 family, Intel<sup>®</sup> 2nd Generation Core i3 processor & Intel<sup>®</sup> Pentium<sup>®</sup> processor family; Socket H2
- Intel<sup>®</sup> C204 PCH express Chipset
- 32GB DDR3 1333/1066 MHz ECC UDIMMs; 2 channels
- Intel<sup>®</sup> 82579LM and 82574L; 2x Gigabit Ethernet LAN ports
- 4x SATA2 (3 Gb/s) and 2x SATA3 (6 Gb/s) w/ RAID 0, 1, 5, 10
- 2x PCI-E 2.0 x8 and 2x PCI-E 2.0 x4 (in x8 slots)
- 9x USB 2.0 ports (2 rear + 6 via header + 1 Type-A)
- Integrated IPMI 2.0 with KVM and Dedicated LAN (F version)
- Form factor: Micro ATX, 9.6" x 9.6"

C202 Chipset



**X9SCL(-F)**

- Intel<sup>®</sup> Xeon<sup>®</sup> processor E3-1200 family, Intel<sup>®</sup> 2nd Generation Core i3 processor & Intel<sup>®</sup> Pentium<sup>®</sup> processor family; Socket H2
- Intel<sup>®</sup> C202 PCH Express Chipset
- 32GB DDR3 1333/1066 MHz ECC UDIMMs; 2 channels
- Intel<sup>®</sup> 82579LM and 82574L; 2x Gigabit Ethernet LAN ports
- 6x SATA2 (3 Gb/s) w/ RAID 0, 1, 5, 10
- 2x PCI-E 2.0 x8 and 1x PCI-E 2.0 x4 (in x8 slots)
- 9x USB 2.0 ports (2 rear + 6 via header + 1 Type-A)
- Integrated IPMI 2.0 with KVM and Dedicated LAN (F version)
- Form factor: Micro ATX, 9.6" x 9.6"

P67 Chipset; Enterprise MB



**C7P67**

- Intel<sup>®</sup> 2nd Gen. Core i7/i5/i3 Quad/Dual Core Processors; Socket H2 (LGA 1155)
- Intel<sup>®</sup> P67 Express Chipset
- 32GB (QC), 16GB(DC) of DDR3 Unb. Non-ECC DDR3 1333/1066 MHz; 2133/1867/1600 (O.C.) SDRAM in 4 DIMM sockets
- Dual Realtek RTL8111E Gigabit Ethernet LAN ports
- 4x SATA3 (6 Gb/s) w/ RAID 0, 1;
- 4x SATA2 (3 Gb/s) w/ RAID 0, 1, 5, 10
- 1x (x16) PCI-E 2.0 (x8 if slot 4 is used), 1x PCI-E 2.0 x8 (in x16),
- 3x PCI-E 2.0 x1, and 2x 32-bit PCI slots
- TPM 1.2 header, DOM power connector
- Integrated Realtek ALC889 7.1 HD Audio w/ S/PDIF
- 2x USB 3.0 ports, 12x USB 2.0 ports (8 rear + 4 via internal headers)
- Form factor: ATX, 12" x 9.6"

Q67 Chipset; Premium Desktop MB



**C7Q67**

- Intel<sup>®</sup> 2nd Gen. Core i7/i5/i3 Quad/Dual Core Processors; Socket H2 (LGA 1155)
- Intel<sup>®</sup> Q67 Express Chipset
- 32GB (QC), 16GB(DC) of DDR3 Unb. Non-ECC DDR3 1333/1066 MHz; 2133/1867/1600 (O.C.) SDRAM in 4 DIMM sockets
- Intel 82579LM and 82574L Gigabit Ethernet Controllers; 2 LAN ports
- 2x SATA3 (6 Gb/s) w/ RAID 0, 1; 4x SATA2 (3 Gb/s) w/ RAID 0, 1, 5, 10
- 1x PCI-E 2.0 x16, 1x PCI-E 2.0 x4, 1x PCI-E 2.0 x1, & 1x 32-bit PCI slot
- TPM 1.2 onboard, DOM power connector
- Integrated Realtek ALC889 7.1 HD Audio w/ S/PDIF
- 2x USB 3.0 ports, 12x USB 2.0 ports (4 rear + 8 via internal headers)
- Form factor: Micro ATX, 9.6" x 9.6"

## Optimized Chassis with Platinum/Gold Level Power, Optimized Cooling



**SC111LT-330CB**  
330W Gold Level power supply  
4x 2.5" SATA  
hot-swap drive bays



**SC811TQ-350B**  
350W Gold Level power supply  
2x 3.5" SATA  
hot-swap drive bays



**SC813MTQ-350CB**  
350W Gold Level power supply  
4x 3.5" SATA  
hot-swap drive bays



**SC512F-350B**  
350W Gold Level power supply  
1x 3.5" SAS/SATA drive bay



**SC731 series**  
300W power supply  
4x 3.5" SATA drive bays



**SC732 series**  
865W/500W power supply  
4x 3.5" + 4x 2.5" fixed HDDs

[www.supermicro.com](http://www.supermicro.com)