

Next Generation UP

Higher Performance. Better Efficiency.



5036I-IF



SAS 2.0

5016I-M6F



SAS 2.0

1016I-M6F



5016I-MTF



5016I-TF



5016I-MRF

HIGHER PERFORMANCE

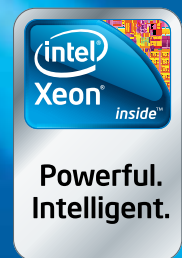
- Supports Intel[®] Xeon[®] processor 3400 series with Integrated Memory Controller
- Registered and un-buffered DDR3 memory up to 1333 MHz
- PCI-Express 2.0 for up to 5 GT/s transfer speeds
- 6Gb/s SAS (SAS 2.0) onboard

BETTER EFFICIENCY

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

IMPROVED TCO

- Highly integrated two-chip solution
- On-board IPMI 2.0 support reduces remote management costs
- Integrated LSI 2008 SAS 2.0 controller



SUPERMICRO® Next-Generation UP Server Building Block Solutions®

Supermicro's next-generation UP server systems offer all the advantages of Supermicro's advanced motherboard designs. In addition, advanced system-level features are supported including 2.5" and 3.5" HDDs with RAID support, Gold Level high-efficiency power supplies, and optimized cooling systems. Special features include short-depth chassis, tool-less cost-optimized chassis designs, and Whisper-Quiet 25dB operation. Supermicro's flexible Server Building Block Solutions® makes this the most complete line of advanced UP systems in the industry.



SuperServer 5036I-IF	SuperServer 5016I-MRF	SuperServer 5016I-TF
<ul style="list-style-type: none"> • Small office/home (SOHO) Server, Application Server • Cost-effective, tool-less chassis design • Whisper-Quiet operation (25dB) • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB DDR3 ECC Registered memory (RDIMM) or 16GB DDR3 ECC Unbuffered memory (UDIMM); 4 DIMMs at 1333/1066/800 MHz • 2x Gigabit LAN ports, 1 VGA, 1 COM, 2 PS/2, 4 USB 2.0 ports • 4x 3.5" SATA HDD with RAID 0,1,5,10 support • 1x Whisper-Quiet exhaust fan with dynamic Fan Speed control • 2x (x8) PCI-E 2.0, 1x (x4) PCI-E (using x8), 1x 32-bit PCI • Integrated IPMI 2.0 with dedicated LAN • High efficiency power supply 	<ul style="list-style-type: none"> • Web Server, Application Server • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB DDR3 ECC Registered memory (RDIMM) or 16GB DDR3 ECC Unbuffered memory (UDIMM); 4 DIMMs at 1333/1066/800 MHz • 2x Gigabit LAN ports, 1 VGA, 1 COM, 2 PS/2, 4 USB 2.0 ports • 1x 3.5" SATA HDD • 1x 10cm Blower Fan • 1x PCI-E 2.0 x8 • Integrated IPMI 2.0 with dedicated LAN • Gold Level high efficiency power supply 	<ul style="list-style-type: none"> • Applications Server, Security Server, Web Server • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB DDR3 ECC Registered memory (RDIMM) or 16GB DDR3 ECC Unbuffered memory (UDIMM); 4 DIMMs at 1333/1066/800 MHz • 2x Gigabit LAN ports, 1 VGA, 1 COM, 2 PS/2, 4 USB 2.0 ports • 2x 3.5" SATA HDD with RAID 0,1,5,10 support • 2x 10cm Blower Fans • 1x PCI-E 2.0 x8 • Integrated IPMI 2.0 with dedicated LAN • Gold Level high efficiency power supply



SAS 2.0



SAS 2.0



SuperServer 5016I-MTF	SuperServer 5016I-M6F	SuperServer 1016I-M6F
<ul style="list-style-type: none"> • Applications Server, HPC, Web Server • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM 1333/1066/800 MHz DDR3 ECC or non-ECC in 6 DIMMs • 2x Gigabit LAN ports, 1 VGA, 2 COM, 2 PS/2 ports • 4x 3.5" hot-swap SATA HDD with RAID 0,1,5,10 support • 4x 4cm low power PWM Fan • 1x PCI-E 2.0 x16 • Integrated IPMI 2.0 with dedicated LAN • Gold Level high efficiency power supply 	<ul style="list-style-type: none"> • Applications Server, HPC, Web Server • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM DDR3 1333/1066/800 MHz SDRAM in 6 DIMMs • 1x PCI-E 2.0 x8 (in x16 slot) • LSI® 2008 6Gb/s SAS (SAS 2.0) controller; RAID 0,1,10 • Optional AOC-IMRRAKEYE-2008-LSI; RAID 5 • 4x 3.5" hot-swap SAS HDD • Integrated IPMI 2.0 with dedicated LAN • Gold Level high efficiency power supply 	<ul style="list-style-type: none"> • Applications Server, HPC, Web Server • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM DDR3 1333/1066/800 MHz SDRAM in 6 DIMMs • 1x PCI-E 2.0 x8 (in x16 slot) • LSI® 2008 6Gb/s SAS (SAS 2.0) controller; RAID 0,1,10 • Optional AOC-IMRRAKEYE-2008-LSI; RAID 5 • 8x 2.5" hot-swap SAS HDD • Integrated IPMI 2.0 with dedicated LAN • High efficiency power supply

UP Motherboards

Supermicro's next-generation UP motherboards based on the Intel® 3420/3400 chipset provide high-value integrated features such as 6Gb/s SAS (SAS 2.0), PCI-E 2.0, and IPMI at lower price points than earlier generation products. The Intel® Xeon® 3400 processor and Intel® 3420/3400 chipset is itself a cost-optimized two-chip solution that improves power consumption while increasing overall system performance. Enhanced design features such as 90%+ power-efficient VRMs reduce power consumption while the common serverboard design lowers costs and improves Time-to-Market.



SAS 2.0



X8SIL	X8SIL-F	X8SIE/-F/LN4	X8SI6-F
<ul style="list-style-type: none"> • Intel® Xeon® processor 3400 series • Intel® 3400 chipset • 32GB RDIMM or 16GB UDIMM 1333/1066/800 MHz DDR3 ECC in 4 DIMMs • Dual Intel® 82574L Gigabit Ethernet LAN ports • 4 SATA ports • 5 USB ports (2 rear + 1 + 2 headers) • 2 PCI-E 2.0 x8, 1 x4 (x8), 1 PCI-32 • Integrated Matrox G200eW graphics • 9.6" x 9.6" Micro ATX 	<ul style="list-style-type: none"> • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM 1333/1066/800 MHz DDR3 ECC in 4 DIMMs • Dual Intel® 82574L Gigabit Ethernet LAN ports • 6 SATA ports (RAID 0,1,5,10) • 7 USB ports (2+1+4 on 2 headers) • 2 PCI-E 2.0 x8, 1 x4 (x8), 1 PCI-32 • Integrated Matrox G200eW graphics • Integrated IPMI 2.0 with dedicated LAN • 9.6" x 9.6" Micro ATX 	<ul style="list-style-type: none"> • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM 1333/1066/800 MHz DDR3 ECC in 6 DIMMs • Dual Gigabit LAN or 4 LAN (-LN4 version) • 6 SATA ports (RAID 0,1,5,10) • 8 USB ports (2 rear, 2 on-board, 2 headers) • 1 PCI-E 2.0 x16, 1 x4 (x8), 1 PCI-32 • Integrated Matrox G200eW graphics • Integrated IPMI 2.0 with dedicated LAN (for F version only) • 12" x 9.6" ATX 	<ul style="list-style-type: none"> • Intel® Xeon® processor 3400 series • Intel® 3420 chipset • 32GB RDIMM or 16GB UDIMM 1333/1066/800 MHz DDR3 ECC in 6 DIMMs • Dual Gigabit LAN ports • 8 SAS 2.0 ports via LSI® 2008 6 Gb/s SAS controller; RAID 0,1,10 • 6 SATA ports (RAID 0,1,5,10) • 8 USB ports (2 rear, 2 on-board, 2 headers) • 1 PCI-E 2.0 x8 (x16), 1 x4 (x8), 1 PCI 32 • Integrated Matrox G200eW graphics • 12" x 9.6" ATX