SUPERMICRO®

Família Twin

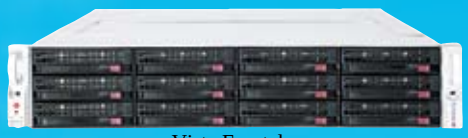
Eficiência e Performance incomparável · Eficiência/custo com alta fiabilidade/densidade

2U Twin²™

4 Módulos DP em 2U

80 PLUS GOLD
Gold Level
80 PLUS® Certified
Power Supplies

Vista Traseira



Vista Frontal

- **Melhor Performance-por-Watt (375 GFLOPS/kW)**
- **Melhor Performance-por-Euro**
- **Quatro Módulos Independentes Hot-pluggable Duplo Processador**
- **Fonte de Alimentação de Alta Eficiência (93%+) com redundância opcional (1+1)**
- **Motherboard e sistema de arrefecimento optimizados possibilitam menor consumo**

1U Twin™

2 Módulos DP em 1U

80 PLUS GOLD
Gold Level
80 PLUS® Certified
Power Supplies

Vista Frontal

Vista Traseira

- **Prémio Innovation Excellence**
- **O dobro da densidade computacional: Chassis, alimentação e arrefecimento partilhado**
- **Fonte de alimentação alta eficiência (93%+)**
- **Onboard QDR, DDR InfiniBand, 10GbE para Conectividade de Alta velocidade**
- **Suporte para até 24 DIMM DDR3 em 1U**

Família Twin

A família Twin da Supermicro é verdadeiramente revolucionária. Com 4 módulos em 2U os **2U Twin²™** oferece eficiência energética e performance de topo num conjunto pequeno mas poderoso. Construído com controlo e gestão independente, cada node é contido num conveniente design modular para fácil instalação, upgrade e manutenção. Alimentação e refrigeração redundante faz o Supermicro **2U Twin²™** a melhor escolha para para aplicações HPC, datacenter, e aplicações blade. Juntamente com os aclamados sistemas **1U Twin™** a Supermicro oferece as mais avançadas e completas soluções HPC no mundo.

Motherboards Compatíveis

X8DTT-IBQ(F)
X8DTT-HIBQ(F)
(ChipsetTylersburg)

X8DTT-IBX(F)
X8DTT-HIBX(F)
(Chipset Tylersburg)

X8DTT-(F)
X8DTT-H(F)
(Chipset Tylersburg)

X7DWT
(Chipset Seaburg)

X7DCT
(Chipset San Clemente)

X7DBT
(Chipset Blackford)

X7DGT
(Chipset GreenCreek)

X7SBT
(Chipset BearlakeX)

H8DMT
(Chipset MCP55-Pro)

SUPER
Twin Family Solutions

Gold Level 80 PLUS® Certified Power Supplies

Model	6026TT-BIBQ(R)F/HIBQ(R)F 6026TT-BIBX(R)F/HIBX(R)F 6026TT-BT(R)F/HT(R)F	6026TT-IBQF 6026TT-IBXF 6026TT-TF	1026TT-IBQF 1026TT-IBXF 1026TT-TF	6016TT-IBQF 6016TT-IBXF 6016TT-TF
Processor Support	Two Quad-Core/Dual Core Intel® Xeon® 5500 Series (Nehalem) up to 95W per Node	Two Quad-Core/Dual Core Intel® Xeon® 5500 Series (Nehalem) up to 95W per Node	Two Quad-Core/Dual Core Intel® Xeon® 5500 Series (Nehalem) per Node	Two Quad-Core/Dual Core Intel® Xeon® 5500 Series (Nehalem) per Node
Key Applications	HPC cluster computer nodes, data center data farm, front-end server and other high performance computing intensive applications	HPC cluster computer nodes, data center data farm, front-end server and other high performance computing intensive applications	HPC cluster computer nodes, data center data farm, front-end server and other high performance computing intensive applications	HPC cluster computer nodes, data center data farm, front-end server and other high performance computing intensive applications
Outstanding Features	• Four hot-swap nodes in 2U • Up to 32 cores in 2U • Gold Level high-efficiency power supply with PMBus support • Double density and computing power • Independent power control & UID function • Independent cooling control • Highest power utilization • Reduce power cables and power strips • Save maintenance/management costs	• Four nodes in 2U • Up to 32 cores in 2U • Gold Level high-efficiency power supply with PMBus support • Double density and computing power • Independent power control & UID function • Independent cooling control • Highest power utilization • Reduce power cables and power strips • Save maintenance/management costs	• Two nodes in 1U • Up to 16 cores in 1U • Gold Level high-efficiency power supply • Double density and computing power • InfiniBand support • Independent power control • Independent cooling control • Higher power utilization increases power efficiency • Reduce power cables and power strips • Save maintenance/management costs	• Two nodes in 1U • Up to 16 cores in 1U • Gold Level high-efficiency power supply • Double density and computing power • InfiniBand support • Independent power control • Independent cooling control • Higher power utilization increases power efficiency • Reduce power cables and power strips • Save maintenance/management costs
Chipset	Intel® 5520 chipset with QPI up to 6.4GT/s per Node	Intel® 5520 chipset with QPI up to 6.4GT/s per Node	Intel® 5520 chipset with QPI up to 6.4GT/s per Node	Intel® 5520 chipset with QPI up to 6.4GT/s per Node
System Memory	Quad set of 48GB DDR3 Reg. ECC; 24GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	Quad set of 48GB DDR3 Reg. ECC; 24GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	Twin set of 48GB of DDR3 Reg. ECC;24GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs	Twin set of 48GB of DDR3 Reg. ECC;24GB Unb. ECC/Non-ECC 1333/1066/800 MHz SDRAM in 12 DIMMs
Expansion Slots	Quad set of PCI-E 2.0 x16 Quad set of ConnectX™ QDR InfiniBand (BIBQF version) Quad set of ConnectX™ DDR InfiniBand (BIBXF version)	Quad set of PCI-E 2.0 x16 Quad set of ConnectX™ QDR InfiniBand (IBQF version) Quad set of ConnectX™ DDR InfiniBand (IBXF version)	Twin set of PCI-E 2.0 x16 Twin set of ConnectX™ QDR InfiniBand (IBQF version) Twin set of ConnectX™ DDR InfiniBand (IBXF version)	Twin set of PCI-E 2.0 x16 Twin set of ConnectX™ QDR InfiniBand (IBQF version) Twin set of ConnectX™ DDR InfiniBand (IBXF version)
Onboard SAS/SCSI/ SATA/RAID	Quad set of Intel® ICH10R for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Quad set of Intel® ICH10R for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Twin set of Intel® ICH10R for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)	Twin set of Intel® ICH10R for 6 SATA (3 Gbps) RAID 0, 1, 5, 10 (Windows) RAID 0, 1, 10 (Linux)
Onboard LAN/VGA	Quad set of Dual LAN with Intel® 82576 (BIBQF and BIBXF version) or 82574L (BTF version) Gigabit Ethernet controller (w/ IOAT support) Quad set of Matrox G200eW graphics	Quad set of Dual LAN with Intel® 82576 (IBQF and IBXF version) or 82574L (TF version) Gigabit Ethernet controller (w/ IOAT support) Quad set of Matrox G200eW graphics	Twin set of Dual LAN with Intel® 82576 (IBQF and IBXF version) or 82574L (TF version) Gigabit Ethernet controller (w/ IOAT support) Twin set of Matrox G200eW graphics	Twin set of Dual LAN with Intel® 82576 (IBQF and IBXF version) or 82574L (TF version) Gigabit Ethernet controller (w/ IOAT support) Twin set of Quad MATROX G200eW graphics
Manageability	Quad set of BMC supporting IPMI 2.0, Media/KVM over LAN SuperDoctor®III, Watch Dog	Quad set of BMC supporting IPMI 2.0, Media/KVM over LAN SuperDoctor®III, Watch Dog	Twin set of BMC supporting IPMI 2.0, Media/KVM over LAN SuperDoctor®III, Watch Dog	Twin set of BMC supporting IPMI 2.0, Media/KVM over LAN SuperDoctor®III, Watch Dog
Drive Bays	Quad set of 3x 3.5" hot-swap SATA drive bays per node	Quad set of 3x 3.5" hot-swap SATA drive bays per node	Twin set of 4x 2.5" hot-swap SATA drive bays per node	Twin set of 2x 3.5" hot-swap SATA drive bays per node
Power Supply	1200W/1400W Gold Level high-efficiency redundant power supply with PMBus	1200W/1400W Gold Level high-efficiency power supply with PMBus (redundant power optional)	1200W Gold Level high-efficiency power supply with PMBus	1200W Gold Level high-efficiency power supply with PMBus
Cooling System	Twin set of 2x 8cm heavy duty PWM fans w/ optimal fan speed control	Twin set of 2x 8cm heavy duty PWM fans w/ optimal fan speed control	Twin set of 3x 40x56mm counter-rotating PWM fans w/ optimal fan speed control per node	Twin set of 3x 40x56mm counter-rotating PWM fans w/ optimal fan speed control per node
Form Factor	2U Rackmount 17.25W" x 3.47H" x 28.5D" (438W x 88H x 724D mm)	2U Rackmount 17.25W" x 3.47H" x 28.5D" (438W x 88H x 724D mm)	1U Rackmount 17.2W" x 1.7H" x 27.75D" (437W x 43H x 705D mm)	1U Rackmount 17.2W" x 1.7H" x 27.75D" (437W x 43H x 705D mm)
Optimized Motherboard	-BIBQ(R)F: X8DTT-IBQF, X8DTT-IBXF, X8DTT-F -HIBQ(R)F: X8DTT-HIBQF, X8DTT-HIBXF, X8DTT-HF	X8DTT-IBQF X8DTT-IBXF X8DTT-F	X8DTT-IBQF X8DTT-IBXF X8DTT-F	X8DTT-IBQF X8DTT-IBXF X8DTT-F
Optimized Chassis	CSE-827B-(R)1200B/1400B	CSE-827T-1200B/1400B	CSE-809T-1200B	CSE-808T-1200B

www.supermicro.com/2UTwin2