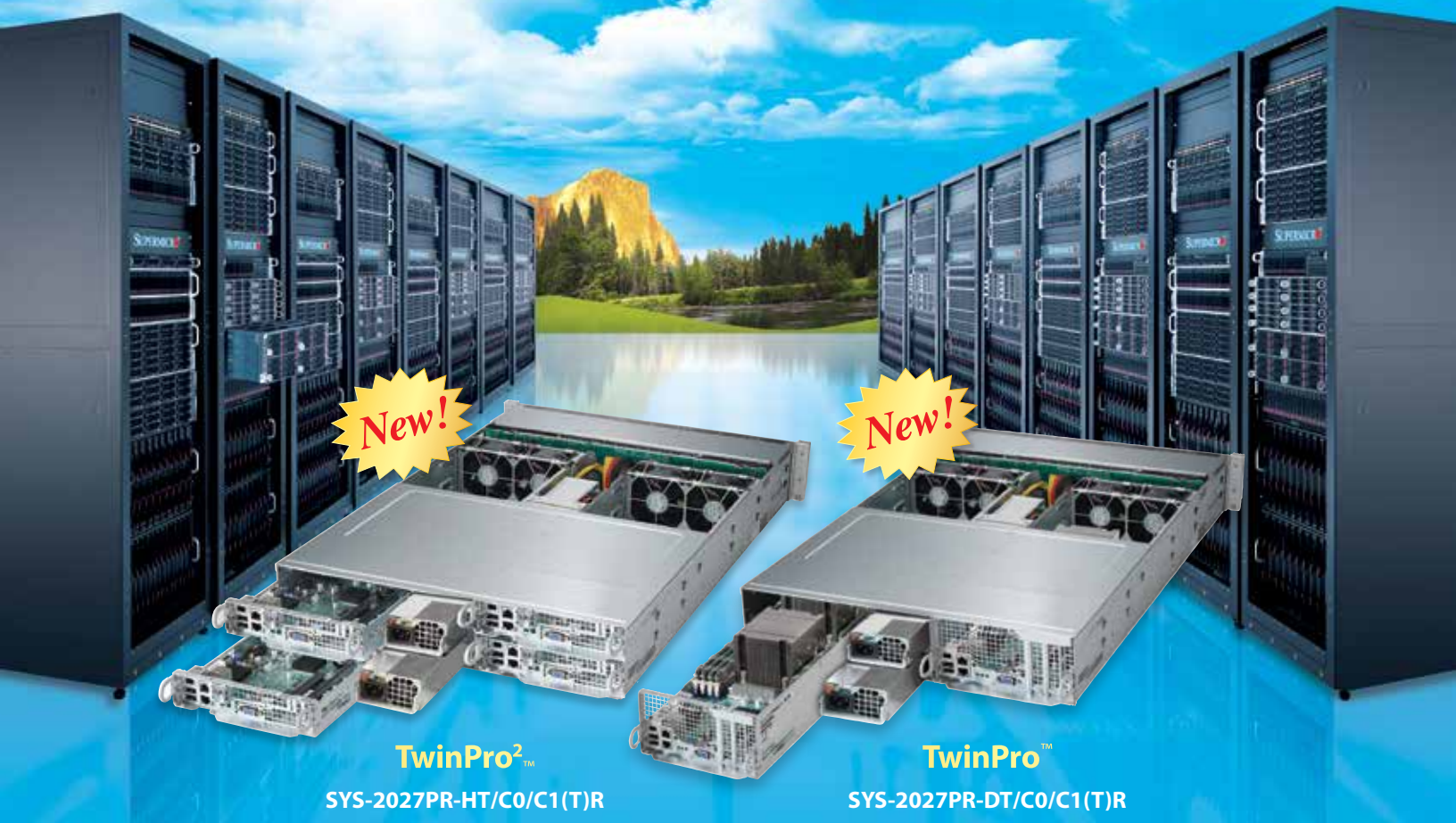




# Twin Servers

Up to 4 PCI-E SSDs • Four or Two Hot-Pluggable Nodes in 2U

New Generation TwinPro™ Systems • SAS 3.0 (12Gbps) • Up to 12 HDDs/Node • FDR(56Gbps)/QDR InfiniBand • 1TB DDR3 up to 1866 MHz in 16 DIMMs • Redundant Platinum Level Power Supplies



New!

New!

TwinPro<sup>2</sup>

SYS-2027PR-HT/C0/C1(T)R

TwinPro

SYS-2027PR-DT/C0/C1(T)R

Four or two hot-pluggable systems (nodes) in a 2U form factor. Each node supports the following:

- Dual Intel® Xeon® processor E5-2600 and E5-2600 v2 product families; QPI up to 8GT/s
- Up to 1TB ECC DDR3 up to 1866MHz memory in 16 DIMM slots
- 1 PCI-E 3.0 x16 slot; 1 PCI-E 3.0 x8 slot (TwinPro™)
- LSI 3008/3108 controller for 8x 12Gbps SAS 3.0 ports
- Intel® C606 controller for 6x SATA3/2 ports
- Dual Intel® X540 10GBase-T (-T versions); or, Intel® i350 dual port Gigabit Ethernet
- 12x (TwinPro) or 6x (TwinPro<sup>2</sup>) hot-swap 2.5" HDD bays
- Onboard FDR/QDR InfiniBand
- 2000W/1280W Redundant Platinum Level (94%) power supplies
- IPMI 2.0 + KVM with dedicated LAN
- SATA-DOM support



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

November 2013

# Twin Servers

Up to **4 PCI-E SSDs** • Up to **12 HDDs/Node** in 2U • Up to **1TB DDR3-1866 MHz** in 16 DIMMs  
**Redundant Platinum Level Power Supplies** • **FDR(56Gbps)/QDR InfiniBand** • **SAS 3.0 (12Gbps)**

## TwinPro<sup>2</sup> / 2U Twin<sup>2</sup>

## TwinPro / 2U Twin

## 1U Twin<sup>™</sup>

**New!**  
**SYS-2027PR-HT/C0/C1(T)R (TwinPro<sup>2</sup>)**  
 24x 2.5" SAS/SATA drives

**New!**  
**SYS-2027PR-DT/C0/C1(T)R (TwinPro)**  
 24x 2.5" SAS/SATA drives

**SYS-6027TR-H+ series**  
 12x 3.5" SAS/SATA drives

**SYS-6027TR-D+ series**  
 12x 3.5" SAS/SATA drives

**SYS-2027TR-H+ series**  
 24x 2.5" SAS/SATA drives

**SYS-2027TR-D+ series**  
 24x 2.5" SAS/SATA drives

**SYS-6017TR-T series**  
 4x 3.5" SATA drives

**SYS-1027TR-T series**  
 8x 2.5" SATA drives

**Micro-LP Compatibility**

Type	AOC-CGP-i2 (2x RJ-45)	AOC-CIBF-m1 AOC-CIBQ-m1 (1x QSFP)	AOC-CTG-i1S (1x SFP+)	AOC-CTG-i2S (2x SFP+)
<b>2U Twin</b> (16 DIMMs)	✓ 2U bracket	✓ 2U bracket	✓ 2U bracket	✓ 2U bracket
<b>2U Twin<sup>2</sup></b> (16 DIMMs)	✓ 1U bracket	✓ 1U bracket	✓ 1U bracket	✓ 1U bracket

## High-Density, High-Efficiency, and Cost-Effective Twin Servers For HPC, Data Centers, and Cloud Computing



Supermicro evolves its patented Twin Technology offering the world's most advanced and complete HPC and Data Center solutions. Performance enhancements over previous generations for these DP Twin servers and serverboards include extra memory capacity up to **1TB** of Reg. ECC DDR3-1866 MHz memory in 16 DIMM sockets, the option of either SATA 3.0 or SAS 2.0 (6Gbps) HDDs, Connect-X3 InfiniBand FDR(56Gbps)/QDR(40Gbps) InfiniBand ports with QSFP connector, PCI-E 3.0 Technology, and LSI<sup>®</sup> 2008/3008 controller with software RAID (-70 SKUs); LSI<sup>®</sup> 2108/3108 controller with hardware RAID (-71 SKUs); LSI<sup>®</sup> 2208 controller with hardware RAID (-72 SKUs), upgraded high-performance fans with highly effective cooling architecture, and **Redundant Platinum Level** power supplies. With enhanced power efficiency, high density, and optimized performance, these Twin SuperServer systems can significantly improve Data Center TCO (Total Cost of Operation). Based on the Intel<sup>®</sup> Xeon<sup>®</sup> Processor E5-2600 and E5-2600 v2 product families, these feature rich, high performance Twin servers are the best choices for Mission Critical HPC, Hosting, Cloud, Big Data, and Data Center applications.



## 2U TwinPro<sup>2</sup>™ New Generation Twin System

12Gbps SAS 3.0 · 4 Nodes in 1U · Up to 6x 2.5" HDDs per Node  
Up to 1TB DDR3-1866 MHz in 16 DIMMs · Redundant Platinum Level Power Supplies



Rear View



SYS-2027PR-HT/C0/C1(T)R (TwinPro<sup>2</sup>)  
24x 2.5" SAS/SATA drives

MODEL	SYS-2027PR-HT(T)R	SYS-202PTR-HC0(T)R SYS-2027PR-HC1(T)R
<b>Processor</b>	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Quad set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families, up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
<b>Server board</b>	SUPER <sup>®</sup> X9DRT-P	SUPER <sup>®</sup> X9DRT-P
<b>Chipset</b>	Intel <sup>®</sup> C606 chipset	Intel <sup>®</sup> C606 chipset
<b>Memory</b>	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
<b>Expansion Slots</b>	Quad set of low-profile PCI-E x16	Quad set of low-profile PCI-E x16
<b>Onboard RAID</b>	Quad set of Intel <sup>®</sup> C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10	Quad set of Intel <sup>®</sup> C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10 -HC0(T)R: Quad set of LSI <sup>®</sup> 3008 12Gbps SAS 3.0 controller; RAID 0,1,10 -HC1(T)R: Quad set of LSI <sup>®</sup> 3108 12Gbps SAS 3.0 controller; RAID 0,1,5,6,10,50
<b>Networking</b>	Quad set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller Quad set of Dual 10G Base-T with Intel X540 (for -T version)	Quad set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller Quad set of Dual 10G Base-T with Intel X540 (for -T version)
<b>VGA</b>	Quad set of Matrox <sup>®</sup> G200eW	Quad set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Quad set of 6x 2.5" hot-swap SATA drive bays	Quad set of 6x 2.5" hot-swap SAS3/SATA drive bays
<b>Power Supply</b>	2000W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus	2000W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

\* Please contact your Supermicro sales representative for additional details

**2U Twin<sup>2</sup><sup>™</sup>**

4 Nodes in 2U · Up to 6x 2.5" HDDs per Node · Up to 1TB DDR3-1866 MHz in 16 DIMMs  
 Redundant Platinum Level Power Supplies



Rear View



SYS-2027TR-H+ series  
 24x 2.5" SAS/SATA drives



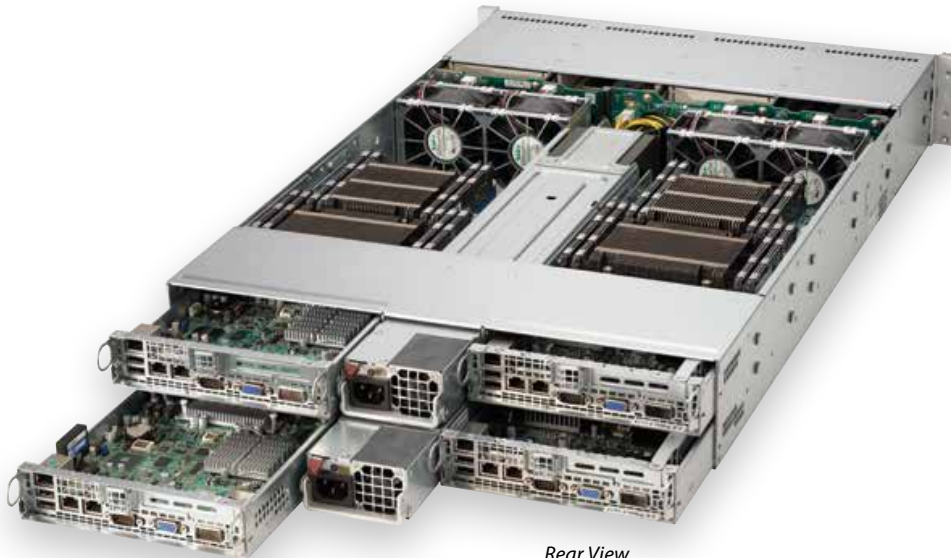
SYS-6027TR-H+ series  
 12x 3.5" SAS/SATA drives

MODEL	SYS-2027TR-H70RF+ SYS-2027TR-H71RF+ SYS-2027TR-H72RF+ SYS-2027TR-HTRF+	SYS-6027TR-H70RF+ SYS-6027TR-H71RF+ SYS-6027TR-HTRF+
<b>Processor</b>	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<b>Server board</b>	SUPER <sup>®</sup> X9DRT-HF+	SUPER <sup>®</sup> X9DRT-HF+
<b>Chipset</b>	Intel® C602 chipset	Intel® C602 chipset
<b>Memory</b>	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Quad set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
<b>Expansion Slots</b>	Quad set of Micro low-profile PCI-E x8	Quad set of Micro low-profile PCI-E x16
<b>Onboard RAID</b>	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,5,10 -H72RF+: Quad set of LSI® 2208 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71RF+: Quad set of LSI® 2108 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70RF+: Quad set of LSI® 2008 8-port 6Gbps SAS2 controller; RAID 0,1,10	Quad set of Intel® C602 controller for 2 SATA3 (6Gbps) and 1 SATA2 ports; RAID 0,1,5 -H71RF+: Quad set of LSI® 2108 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70RF+: Twin set of LSI® 2008 3-port 6Gbps SAS2 controller; RAID 0,1
<b>Networking</b>	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Quad set of Dual LAN with Intel® i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)
<b>VGA</b>	Quad set of Matrox® G200eW	Quad set of Matrox® G200eW
<b>Manageability</b>	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor®, Watch Dog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor®, Watch Dog
<b>Drive Bays</b>	Quad set of 6x 2.5" hot-swap SAS2/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS2/SATA drive bays
<b>Power Supply</b>	1620W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	Quad set of 2x 80mm heavy duty fans with air shroud & PWM fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	4U Rackmount 448mm W x 177mm H x 737mm D (17.63" W x 6.96" H x 29" D)	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

\*Please contact your Supermicro sales representative for additional details

2U Twin<sup>2</sup><sup>™</sup>

4 Nodes in 2U · Up to 3x 3.5" or 6x 2.5" HDDs per Node · Up to 512GB DDR3-1866 MHz in 8 DIMMs  
1620W Redundant Platinum Level Power Supplies



Rear View



SYS-2027TR-H series  
24x 2.5" SAS/SATA drives



SYS-6027TR-H series  
12x 3.5" SAS/SATA drives

MODEL	SuperServer <sup>®</sup> SYS-2027TR-H(T/70/71/72)RF SYS-2027TR-H(T/70/71/72)QRF SYS-2027TR-H(T/70/71/72)FRF	SuperServer <sup>®</sup> SYS-6027TR-H(T/70/71)RF SYS-6027TR-H(T/70/71)QRF SYS-6027TR-H(T/70/71)FRF
<b>Processor</b>	Quad set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Quad set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<b>Server board</b>	-H(T/70/71/72)RF: SUPER <sup>®</sup> X9DRT-HF -H(T/70/71/72)QRF: SUPER <sup>®</sup> X9DRT-HIBQF -H(T/70/71/72)FRF: SUPER <sup>®</sup> X9DRT-HIBFF	-H(70/71)TRF: SUPER <sup>®</sup> X9DRT-HF -H(70/71)QRF: SUPER <sup>®</sup> X9DRT-HIBQF -H(70/71)FRF: SUPER <sup>®</sup> X9DRT-HIBFF
<b>Chipset</b>	Intel <sup>®</sup> C602 chipset	Intel <sup>®</sup> C602 chipset
<b>Memory</b>	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Quad set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
<b>Expansion Slots</b>	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)	Quad set of 1 PCI-E 3.0 x16 via riser card (low-profile)
<b>Onboard RAID</b>	Quad set of Intel <sup>®</sup> C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -H72 SKU: Quad set of LSI <sup>®</sup> 2208 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H71 SKU: Quad set of LSI <sup>®</sup> 2108, 6-port 6Gbps SAS2 controller; RAID 0,1,5,6,10,50 -H70 SKU: Quad set of LSI <sup>®</sup> 2008, 6-port 6Gbps SAS2 controller; RAID 0,1,10 with optional key for RAID 5	Quad set of Intel <sup>®</sup> C602 controller for 2 SATA3 (6Gbps), 1 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5 -H71 SKU: Quad set of LSI <sup>®</sup> 2108, 3-port 6Gbps SAS2 controller; RAID 0,1,5 -H70 SKU: Quad set of LSI <sup>®</sup> 2008, 3-port 6Gbps SAS2 controller; RAID 0,1
<b>Networking</b>	Quad set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller QRF SKU: Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector FRF SKU: Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector	Quad set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller QRF SKU: Quad set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector FRF SKU: Quad set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector
<b>VGA</b>	Quad set of Matrox <sup>®</sup> G200eW	Quad set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Quad set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Quad set of 6x 2.5" hot-swap SAS2/SATA drive bays	Quad set of 3x 3.5" hot-swap SAS2/SATA drive bays
<b>Power Supply</b>	1620W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus	1620W Redundant Platinum Level high-efficiency power supplies with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

\* Please contact your Supermicro sales representative for additional details



## 2U TwinPro™ New Generation Twin System

12Gbps SAS 3.0 · 2 Nodes in 2U · Up to 12x 2.5" HDDs per Node

Up to 1TB DDR3-1866 MHz in 16 DIMMs · 1280W Redundant Platinum Level Power Supplies

Up to 4 PCI-E SSDs



Rear View



SYS-2027PR-DT/C0/C1(T)R (TwinPro)

24x 2.5" SAS/SATA drives

MODEL	SYS-2027PR-DT(T)R	SYS-2027PR-DC0(T)R SYS-2027PR-DC1(T)R
<b>Processor</b>	Twin set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families , up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP	Twin set of Dual Intel Xeon Processor E5-2600 and E5-2600 v2 product families , up to 8 core processors; Socket R (LGA 2011) supported; QPI up to 8.0GT/s; CPU support up to 135W TDP
<b>Server board</b>	SUPER <sup>®</sup> X9DRT-P	SUPER <sup>®</sup> X9DRT-P
<b>Chipset</b>	Intel <sup>®</sup> C606 chipset	Intel <sup>®</sup> C606 chipset
<b>Memory</b>	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
<b>Expansion Slots</b>	Twin set of 1 PCI-E 3.0 x16 1 PCI-E-3.0 x8	Twin set of 1 PCI-E 3.0 x16 1 PCI-E-3.0 x8
<b>Onboard RAID</b>	Twin set of Intel C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10; Intel C606 SCU controller for 3 SATA2 (3Gbps)	Twin set of Intel C606 AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 ports; RAID 0,1,10; Intel C606 SCU controller for 3 SATA2 (3Gbps) -HC0(T)R: Twin set of LSI 3008 12Gbps SAS 3.0 controller (8 ports) + 4 SATA 3; RAID 0,1,10 -HC1(T)R: Twin set of LSI 3108 12Gbps SAS 3.0 controller (8 ports) + 4 SATA 3; RAID 0,1,5,6,10,50
<b>Networking</b>	Twin set of Dual LAN with Intel i350 Gigabit Ethernet controller Twin set of Dual 10G Base-T with Intel X540 (for -T version)	Twin set of Dual LAN with Intel i350 Gigabit Ethernet controller Twin set of Dual 10G Base-T with Intel X540 (for -T version)
<b>VGA</b>	Twin set of Matrox <sup>®</sup> G200eW	Twin set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Twin set of up to 12x2.5" hot-swap SATA drive bays	Twin set of up to 12x2.5" hot-swap SAS3/SATA drive bays
<b>Power Supply</b>	1280W Redundant Platinum Level Digital high-efficiency power with I <sup>2</sup> C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.
<b>Form Factor</b>	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

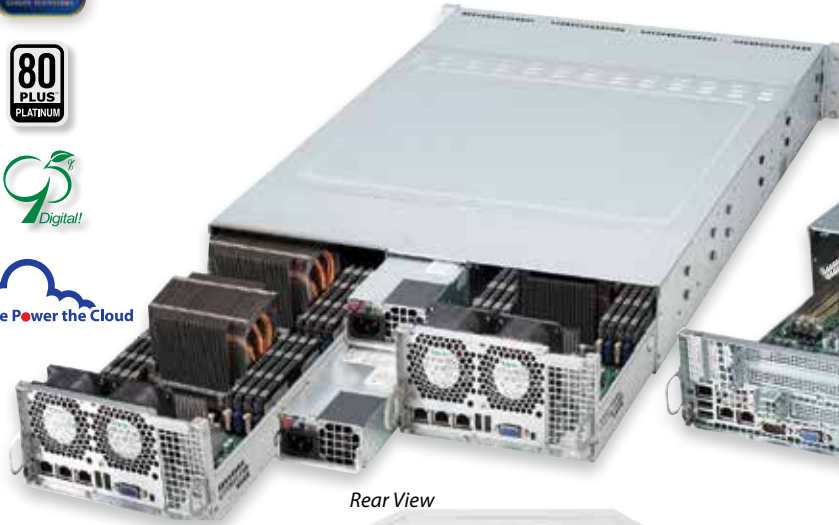
\* Please contact your Supermicro sales representative for additional details

**2U Twin™**

2 Nodes in 2U · Up to 12x 2.5" HDDs per Node,  
Up to 1TB DDR3-1866 MHz in 16 DIMMs  
1280W Redundant Platinum Level Power Supplies

**2U Twin™**

DCO Twin, Datacenter Optimized  
2 Nodes in 2U · Up to 6x 3.5" HDDs per Node  
1280W Redundant Platinum Level Power Supplies



Rear View



SYS-2027TR-D+ series  
24x 2.5" SAS/SATA drives



Rear View



SYS-6027TR-D+ series  
12x 3.5" SAS/SATA drives

MODEL	SuperServer <sup>®</sup> SYS-2027TR-D70RF+	SuperServer <sup>®</sup> SYS-6027TR-DTRL SYS-6027TR-D70RL SYS-6027TR-D71RL
<b>Processor</b>	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s; up to 95Watt CPU
<b>Server board</b>	SUPER <sup>®</sup> X9DRT-HF+	SUPER <sup>®</sup> X9DRT-HF
<b>Chipset</b>	Intel <sup>®</sup> C602 chipset	Intel <sup>®</sup> C602 chipset
<b>Memory</b>	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
<b>Expansion Slots</b>	Twin set of Micro low-profile PCI-E 3.0 x16	Twin set of 3 PCI-E 3.0 x8 via riser card. (2 FHHL, 1 LP)
<b>Onboard RAID</b>	Twin set of Intel <sup>®</sup> C602 controller with 1 SATA DOM (3Gbps) port; Twin set of LSI <sup>®</sup> 2008 6Gbps SAS2 expander; IT Mode	Intel <sup>®</sup> C602 AHCI controller for 2 SATA3 (6Gbps) ports; RAID 0,1,5,10; -DTRL: Twin set of Intel <sup>®</sup> C602 SCU controller for 1 SATA2 (3Gbps) ports; -D70RL: Twin set of LSI <sup>®</sup> 2008 controller for 6 SAS2 ports; RAID 0,1,10; -D71RL: Twin set of LSI <sup>®</sup> 2108 controller for 6 SAS2 ports; RAID 0,1,10
<b>Networking</b>	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller
<b>VGA</b>	Twin set of Matrox <sup>®</sup> G200eW	Twin set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Twin set of 12x 2.5" hot-swap SAS2 drive bays	Twin set of 6x 3.5" hot-swap SAS2/SATA drive bays
<b>Power Supply</b>	1280W Redundant Platinum Level Digital high-efficiency power supplies with P/C & PMBus	500W/740W Redundant Platinum Level high efficiency power supplies
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control.
<b>Form Factor</b>	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 724mm (17.25" x 3.47" x 28.5")

**2U Twin™**

2 Nodes in 2U · Up to 6x 3.5" HDDs per Node · Up to 1TB DDR3-1866 MHz in 16 DIMMs  
1280W Redundant Platinum Level Power Supplies



Rear View



SYS-6027TR-D+ series  
12x 3.5" SAS/SATA drives

MODEL	SuperServer <sup>®</sup> SYS-6027TR-DTRF+	SuperServer <sup>®</sup> SYS-6027TR-D70RF+ SYS-6027TR-D71RF+
<b>Processor</b>	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<b>Server board</b>	SUPER <sup>®</sup> X9DRT-HF+	SUPER <sup>®</sup> X9DRT-HF+
<b>Chipset</b>	Intel <sup>®</sup> C602 chipset	Intel <sup>®</sup> C602 chipset
<b>Memory</b>	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Twin set of up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
<b>Expansion Slots</b>	Twin set of Micro low-profile PCI-E x16	Twin set of Micro low-profile PCI-E x16
<b>Onboard RAID</b>	Twin set of Intel <sup>®</sup> C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port	Twin set of Intel <sup>®</sup> C602 SATA3/SAS2 controller with 1 SATA DOM (3Gbps) port; -D70RF+: Twin set of LSI <sup>®</sup> 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10 -D71RF+: Twin set of LSI <sup>®</sup> 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50
<b>Networking</b>	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller; Optional Micro-LP card for FDR/QDR InfiniBand AOC-CIBF-m1, AOC-CIBQ-m1 or for 10G SFP+ AOC-CTG-i1S / AOC-CTG-i2S (dual port)
<b>VGA</b>	Twin set of Matrox <sup>®</sup> G200eW	Twin set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Twin set of 6x 3.5" hot-swap SATA drive bays	Twin set of 6x 3.5" hot-swap SAS2 drive bays
<b>Power Supply</b>	1280W Redundant Platinum Level Digital high-efficiency power supplies with P <sub>C</sub> & P <sub>M</sub> Bus	1280W Redundant Platinum Level Digital high-efficiency power supplies with P <sub>C</sub> & P <sub>M</sub> Bus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")



**2U Twin™**

2 Nodes in 2U · Up to 12x 2.5" HDDs per Node,  
1280W Redundant Platinum Level Power Supplies



Rear View

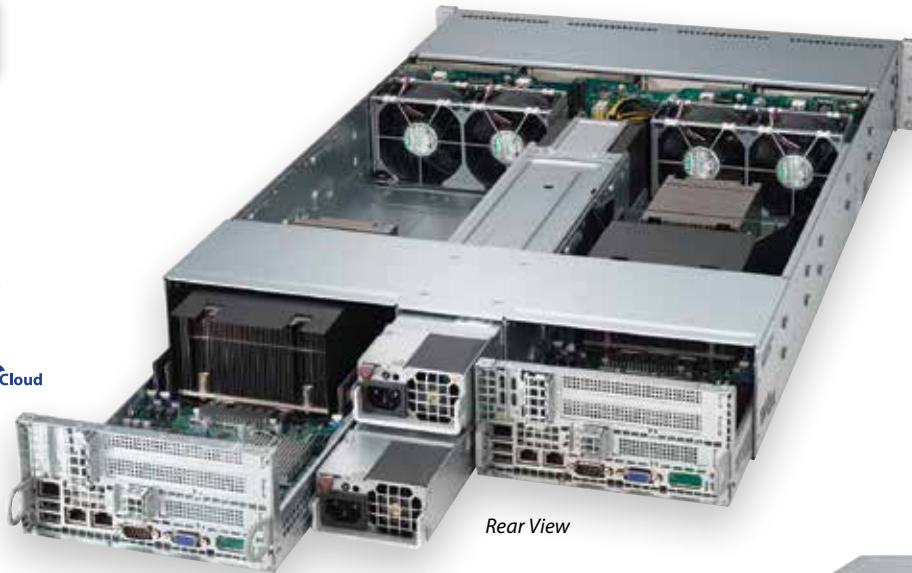


SYS-2027TR-D series  
24x 2.5" SAS/SATA drives

MODEL	SuperServer <sup>®</sup> SYS-2027TR-D70RF	SuperServer <sup>®</sup> SYS-2027TR-D70QRF SYS-2027TR-D70FRF
<b>Processor</b>	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<b>Server board</b>	-D70RF: SUPER <sup>®</sup> X9DRT-HF	-D70QRF: SUPER <sup>®</sup> X9DRT-HIBQF -D70FRF: SUPER <sup>®</sup> X9DRT-HIBFF
<b>Chipset</b>	Intel <sup>®</sup> C602 chipset	Intel <sup>®</sup> C602 chipset
<b>Memory</b>	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
<b>Expansion Slots</b>	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)
<b>Onboard RAID</b>	Twin set of Intel <sup>®</sup> C602 controller for 1 SATA DOM (3Gbps) ports Twin set of LSI <sup>®</sup> 2008 6Gbps SAS2 expander; IT Mode, 12 drives per node	Twin set of Intel <sup>®</sup> C602 controller for 1 SATA DOM (3Gbps) ports Twin set of LSI <sup>®</sup> 2008 6Gbps SAS2 expander; IT Mode, 12 drives per node
<b>Networking</b>	Twin set of Dual LAN with i350 Gigabit Ethernet controller	Twin set of Dual LAN with i350 Gigabit Ethernet controller -D70QRF: Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector -D70FRF: Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector
<b>VGA</b>	Twin set of Matrox <sup>®</sup> G200eW	Twin set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Twin set of 12x 2.5" hot-swap SAS2 drive bays	Twin set of 12x 2.5" hot-swap SAS2 drive bays
<b>Power Supply</b>	1280W Redundant Platinum Level Digital high-efficiency power supplies with I <sup>2</sup> C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")	2U Rackmount 438 x 88 x 679mm (17.25" x 3.47" x 26.75")

**2U Twin™**

2 Nodes in 2U · Up to 6x 3.5" HDDs per Node,  
1280W Redundant Platinum Level Power Supplies



Rear View



SYS-6027TR-D series  
12x 3.5" SAS/SATA drives

MODEL	SuperServer <sup>®</sup> SYS-6027TR-D(T/70/71)RF	SuperServer <sup>®</sup> SYS-6027TR-D(T/70/71)QRF SYS-6027TR-D(T/70/71)FRF
<b>Processor</b>	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s	Twin set of Dual Intel <sup>®</sup> Xeon <sup>®</sup> Processor E5-2600 and E5-2600 v2 product families with QPI up to 8GT/s
<b>Server board</b>	-D(T/70/71)RF: SUPER <sup>®</sup> X9DRT-HF	-D(T/70/71)QRF: SUPER <sup>®</sup> X9DRT-HIBQF -D(T/70/71)FRF: SUPER <sup>®</sup> X9DRT-HIBFF
<b>Chipset</b>	Intel <sup>®</sup> C602 chipset	Intel <sup>®</sup> C602 chipset
<b>Memory</b>	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
<b>Expansion Slots</b>	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)	Twin set of 3 PCI-E 3.0 x8 via riser card (2 FHHL, 1 low-profile)
<b>Onboard RAID</b>	Twin set of Intel <sup>®</sup> C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -D71 SKU: Twin set of LSI <sup>®</sup> 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50 -D70 SKU: Twin set of LSI <sup>®</sup> 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10	Twin set of Intel <sup>®</sup> C602 controller for 2 SATA3 (6Gbps), 4 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10 -D71 SKU: Twin set of LSI <sup>®</sup> 2108 6-port 6Gbps SAS2 controller; RAID 0, 1, 5, 6, 10, 50 -D70 SKU: Twin set of LSI <sup>®</sup> 2008 6-port 6Gbps SAS2 controller; RAID 0,1,10
<b>Networking</b>	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller	Twin set of Dual LAN with Intel <sup>®</sup> i350 Gigabit Ethernet controller QRF SKU: Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/ QSFP connector FRF SKU: Twin set of Mellanox ConnectX FDR 56Gbps InfiniBand w/ QSFP connector
<b>VGA</b>	Twin set of Matrox <sup>®</sup> G200eW	Twin set of Matrox <sup>®</sup> G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor <sup>®</sup> , Watch Dog
<b>Drive Bays</b>	Twin set of 6x 3.5" hot-swap SAS2/SATA drive bays	Twin set of 6x 3.5" hot-swap SAS2/SATA drive bays
<b>Power Supply</b>	1280W Redundant Platinum Level Digital high-efficiency power supplies with I <sup>2</sup> C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control	4x 8cm heavy duty PWM fans with air shroud with optimal fan speed control
<b>Form Factor</b>	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")	2U Rackmount 437 x 88 x 724mm (17.2" x 3.47" x 28.5")

# 1U Twin

2 Nodes in 1U · Up to 4x 2.5" or 2x 3.5" HDDs per Node · Up to 512GB DDR3-1866 MHz in 8 DIMMs  
**Redundant Platinum Level Power Supplies**



SYS-6017TR series  
 4x 3.5" Hot-swap SATA drives



SYS-1027TR series  
 8x 2.5" Hot-swap SATA drives

MODEL	SYS-6017TR-TF SYS-6017TR-TQF SYS-6017TR-TFF	SYS-1027TR-TF SYS-1027TR-TQF SYS-1027TR-TFF
<b>Processor</b>	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s	Twin set of dual Intel® Xeon® Processor E5-2600 and E5-2600 v2 product families with QPI up to 8 GT/s
<b>Server board</b>	SUPERMICR® X9DRT-F SUPERMICR® X9DRT-IBQF SUPERMICR® X9DRT-IBFF	SUPERMICR® X9DRT-F SUPERMICR® X9DRT-IBQF SUPERMICR® X9DRT-IBFF
<b>Chipset</b>	Intel® C602J chipset	Intel® C602J chipset
<b>Memory</b>	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots	Twin set of up to 512GB ECC LRDIMM, 256GB ECC RDIMM, or 64GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 8 DIMM slots
<b>Expansion Slots</b>	1 PCI-E 3.0 x16 low-profile	1 PCI-E 3.0 x16 low-profile
<b>Onboard RAID</b>	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 1 SATA DOM (3Gbps) ports; RAID 0,1	Twin set of Intel® C602J controller for 2 SATA3 (6Gbps), 2 SATA2, and 1 SATA DOM (3Gbps) ports; RAID 0,1,5,10
<b>Networking</b>	Twin set of Intel® i350 Gigabit Ethernet controller -TQF: Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector -TFF: Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/QSFP connector	Twin set of Intel® i350 Gigabit Ethernet controller TQF: Twin set of Mellanox ConnectX QDR 40Gbps InfiniBand w/QSFP connector -TFF: Twin set of Mellanox ConnectX-3 FDR 56Gbps InfiniBand w/QSFP connector
<b>VGA</b>	Matrox® G200eW	Matrox® G200eW
<b>Manageability</b>	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor®, Watch Dog	Twin set of IPMI 2.0 + KVM with dedicated LAN, SuperDoctor®, Watch Dog
<b>Drive Bays</b>	Twin set of 2x 3.5" hot-swap SATA HDD bays	Twin set of 4x 2.5" hot-swap SATA HDD bays
<b>Power Supply</b>	1280W Platinum Level Digital high-efficiency power supply with I <sup>2</sup> C & PMBus	1280W Platinum Level Digital high-efficiency power supply with I <sup>2</sup> C & PMBus
<b>Cooling System</b>	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control	Twin set of 3x 4cm heavy duty counter-rotating fans with air shroud with optimal fan speed control
<b>Form Factor</b>	1U Rackmount 437 x 43 x705mm (17.2" x 1.7" x 27.75")	1U Rackmount 437 x 43 x705mm (17.2" x 1.7" x 27.75")

\* Please contact your Supermicro sales representative for additional details

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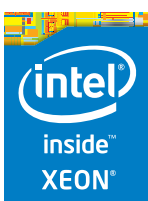
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