



Multi I/O
11 PCI-E Slots



3U Storage
X10 HW SAS3 controller
Storage Expandable



3U Storage
X10 SAS3 HW/IT mode controller
Storage Expandable



MODEL	SuperServer® SYS-6038R-TXR	SuperStorage SSG-6038R-E1CR16N	SuperStorage SSG-6038R-E1CR16H SSG-6038R-E1CR16L
Processor Support	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s; CPU TDP support Up to 145W	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s	Dual Intel® Xeon® Processor E5-2600 v4/ v3 product families supported; QPI up to 9.6GT/s
Key Applications	<ul style="list-style-type: none"> Networking Telephony Surveillance DVR Industrial Server Solutions Head-node controller 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN 	<ul style="list-style-type: none"> Corporate Database Data Center Database Processing & Storage Enterprise Server HPC iSCSI SAN
Outstanding Features	<ul style="list-style-type: none"> 16 DIMM slots 10x PCI-E 3.0 x8, 1x PCI-E 2.0 x4 (in x8) 8x Hot-swap 3.5" HDD Bays and 2x 5.25" Drive Bays 2 SATA DOMs Support with Embedded Power 145W CPU support 	<ul style="list-style-type: none"> LSI 3108 SAS3 HW RAID controller 16x 3.5" SAS3/SATA3 drive bays 130W CPU support 24 DIMM slots 4 x 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply 	<ul style="list-style-type: none"> 16x 3.5" Hot-swap SAS3 drive bays 130W CPU support 16 DIMM slots Dual 10G BaseT Dual JBOD Expansion Ports 920W Platinum Level high efficiency power supply
Serverboard	SUPER® X10DRX	SUPER® X10DRi-T4+	SUPER® X10DRH-iT
Chipset	Intel® C612 chipset	Intel® C612 chipset	Intel® C612 chipset
System Memory (Max.)*	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots	Up to 3TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 24 DIMM slots	Up to 2TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 (FH, FL), 1 PCI-E 3.0 x4 (in x8 slot)	2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8) Slot 3 & 4 occupied by controller and JBOD Expansion Port	1 PCI-E 3.0 x16, 6 PCI-E 3.0 x8, Slot 1 & 2 occupied by controller and JBOD Expansion Port
Onboard Storage Controller	Intel® C612 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	LSI 3108 SAS3 HW RAID controller	-E1CR16H: LSI 3108 SAS3 HW RAID controller; -E1CR16L: LSI 3008 SAS3 HBA controller
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet Controller	Quad LAN with Intel® X540 10GBase-T Ethernet Controller	Dual LAN with 10GBase-T with Intel® X540 10GbE Controller
VGA/Audio	AST2400 VGA	AST2400 VGA	AST2400 VGA
Management	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, Intel® Node Manager, SUM, SPM, SSM, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5" hot-swap and 2x 5.25" drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay	16x 3.5" hot-swap SAS3/SATA3 drive bay; 2x 2.5" optional rear hot-swap drive bay
Peripheral Bays	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay	1 optional Slim DVD-ROM bay
Power Supply	Redundant 1280W Platinum Level Digital power supplies w/PMBus supports	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus	920W Redundant Platinum Level high-efficiency power supplies with iC & PMBus
Cooling System	3x middle fans & 1x rear exhaust fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan	3x 8cm hot-swap redundant PWM cooling fans. 2x 80mm rear hot-swap exhaust PWM fan
Form Factor	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")

* Please check with your Supermicro sales representative and website for compatibility and configuration details

New!

SBB 3U Storage
High Availability Storage Platform

SBB 3U Storage
High Availability Storage Platform

3U Storage
HW RAID Expandable

3U Storage
Storage Expandable



Rackmount

SuperStorage SSG-6038R-DE2CR16L	SuperStorage SSG-6037B-DE2R16L	SuperStorage SSG-6037R-E1R16N	SuperStorage SSG-6037R-E1R16L
<p>Redundant dual Intel® Xeon® Processor E5-2600 v4/v3 product families supported; QPI up to 9.6GT/s</p> <ul style="list-style-type: none"> High Availability Storage Appliance Platform <ul style="list-style-type: none"> Redundant DP SBB supporting shared 16x 3.5" HDD Intel® X540 dual port 10GBase-T Dual JBOD expansion ports per node NV-DIMM support Up to 3 add-on cards per node Redundant 920W Platinum Level (94%+) redundant power supplies 	<p>Redundant dual Intel® Xeon® Processor E5-2400 and Intel® Xeon® Processor E5-2400 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Availability Storage Appliance Platform Failover cluster Cluster in a Box <ul style="list-style-type: none"> Dual JBOD expansion ports per node NV-DIMM slots Redundant 920W Platinum Level (94%+) redundant power supplies Up to 3 add-on cards per node 8x lanes PCI-E 3.0 between nodes (NTB) 	<p>Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Capacity Expandable storage with HW RAID, Compute Intensive Storage Applications, Data Deduplication Replication, Streaming Media, Data Recording, Video Surveillance, NAS / SAN File Server, RedHat File Server <ul style="list-style-type: none"> Offers great performance in the widest number of storage applications 24 DIMM slots Hardware RAID LSI2108(AOC) 920W Platinum Level (94%+) power supply Lights-out management Dual JBOD expansion ports 	<p>Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s</p> <ul style="list-style-type: none"> High Capacity Expandable Storage Next Generation Copy-on-write file systems like Windows Storage Spaces, Oracle ZFS, Linux BTFS Streaming Media, Data Recording, Video Surveillance Compliance Storage Business Continuity Disk-to-Disk Backup / Archive Virtual Tape Applications <ul style="list-style-type: none"> OnBoard 6G SAS disk controller (ITMode) with JBOD expansion offers lowest cost device connectivity Dual JBOD Expansion Ports Quad LAN with Intel® i350 Gigabit Ethernet Controller 920W Platinum Level (94%+) power supply Lights-out management
Redundant SUPER® X10DRH-iT	Redundant SUPER® X9DBS-F	SUPER® X9DRi-LN4F+	SUPER® X9DRD-7LN4F-JBOD
Redundant Intel® C612 chipset	Redundant Intel® C602J Chipset	Intel® C602 Chipset	Intel® C602J Chipset
Redundant up to 1TB ECC 3DS LRDIMM or RDIMM DDR4-2400MHz in 8 DIMM slots	Redundant up to 192GB Registered ECC 48GB Unbuffered ECC/non-ECC 6 DIMM slots	Up to 1.5TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Redundant 3 PCI-E 3.0 x8 (1x FHHL, 2x LPHL) expansion slots per controller	Redundant 3 PCI-E 3.0 x8 (1 FH, 2 LP) expansion slots per controller	4 PCI-E 3.0 slots, (3 PCI-E 3.0 x16 and 1 PCI-E 3.0 x8)	5x PCI-E 3.0 x8 slots (Full Height Half Length)
Redundant LSI 3008 SAS3 controller	Redundant LSI 2308 SAS Dual Core controller	LSI 2108 SAS2 HW RAID controller	LSI 2308 SAS2 HBA controller
Redundant dual LAN with 10GBase-T with Intel® X540 10GbE Controller per node; 1Gb private Ethernet between controller nodes	Redundant dual LAN with Intel® Ethernet Controller i350-AM2	Quad-1GbE, Dual JBOD expansion ports	Quad-1GbE, Dual JBOD expansion ports
Redundant AST2400 VGA	Redundant 1 VGA, Nuoton WPCM450 BMC	Matrox® G200eW graphics	Matrox® G200eW graphics
Redundant IPMI 2.0 + KVM with dedicated LAN	Redundant IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port	IPMI 2.0, KVM/media over LAN) with dedicated LAN port
Shared 16x 3.5" hot-swap SAS drive bay with SES2	Shared 16x 3.5" hot-swap SAS drive bay with SES2 (Shared)	16x 3.5" hot-swap SAS/SATA drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)	16x 3.5" hot-swap SAS2/SATA3 drive bays; Optional 2x 2.5 hot-swap SATA drive bays (rear)
N/A	N/A	1 slim DVD-ROM drive bay (optional)	1 slim DVD-ROM drive bay (optional)
Redundant 920W Platinum Level high-efficiency redundant power supplies with I°C & PMBus	Redundant 920W Platinum Level high-efficiency redundant power supplies with I°C & PMBus	920W Platinum Level (94%+) high-efficiency power supply	920W Platinum Level (94%+) high-efficiency power supply
Redundant 6x 2cm PWM cooling fans per node	Redundant 6x 2cm PWM cooling fans with air shroud per node	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control	3x 8cm hot-swap PWM cooling fans with air shroud with optimal fan speed control
3U Rackmount 437 x 132 x 647mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

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**11 PCI-E Slots****Mainstream
Supports 2x Passive
GPU or Xeon Phi™****Mainstream**

MODEL	SuperServer® SYS-6037R-TXRF	SuperServer® SYS-6037R-72RFT+	SuperServer® SYS-6037R-72RF SYS-6037R-72RFT
Processor Support	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s	Dual Intel® Xeon® Processor E5-2600 and Intel® Xeon® Processor E5-2600 v2 product families with QPI up to 8GT/s
Key Applications	<ul style="list-style-type: none"> • Compute Intensive Storage Environments like Data Deduplication, Replication, Virtual Tape, NAS and IP-SAN 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation 	<ul style="list-style-type: none"> • Cloud and other virtualization needs, • Hosting & Application delivery • Database processing & Storage • Simulation, Automation
Outstanding Features	<ul style="list-style-type: none"> • 980W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 24 DIMM slots • Supports 2 passive GPU/ Xeon Phi™ • 1280W Redundant Platinum Level Digital high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN 	<ul style="list-style-type: none"> • 16 DIMM slots • SAS 2.0 support • 920W Redundant Platinum Level high-efficiency power supplies • IPMI 2.0 + KVM with dedicated LAN
Serverboard	SUPER® X9DRX+-F	SUPER® X9DR7-TF+	-72RF: SUPER® X9DRH-7F -72RFT: SUPER® X9DRH-7TF
Chipset	Intel® C602 chipset	Intel® C602J chipset	Intel® C602 chipset
System Memory (Max.)*	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots	Up to 1.5TB ECC LRDIMM, 768GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 24 DIMM slots	Up to 1TB ECC LRDIMM, 512GB ECC RDIMM, or 128GB ECC/non-ECC UDIMM; DDR3 up to 1866MHz, in 16 DIMM slots
Expansion Slots	10 PCI-E 3.0 x8 1 PCI-E 2.0 x4 (in x8)	2 PCI-E 3.0 x16, 4 PCI-E 3.0 x8	1 PCI-E 3.0 x16 6 PCI-E 3.0 x8 (4 in x16)
Onboard Storage Controller	Intel® C602 controller for 2 SATA3 (6Gbps) ports & 8 SATA2 (3Gbps) ports	LSI 2208 controller for 8 SAS2 ports; RAID 0,1,5,6,10,50,60; Intel® C602J AHCI controller for 2 SATA3 (6Gbps) and 4 SATA2 (3Gbps) ports; RAID 0,1,5,10	LSI 2208 controller for 8 SAS2 (6Gbps) ports; RAID 0,1,5,6,10,50,60
Connectivity	Dual LAN with Intel® i350 Gigabit Ethernet controller	Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller	-72RF: Dual LAN with Intel® i350 Gigabit Ethernet controller -72RFT: Dual 10GBase-T LAN with Intel® 540 10Gb Ethernet controller
VGA/Audio	Matrox® G200eW graphics	Matrox® G200eW graphics	Matrox® G200eW graphics
Management	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog	IPMI 2.0 + KVM with dedicated LAN, SuperDoctor® 5, Watchdog
Drive Bays	8x 3.5 hot-swap SAS/SATA drive bays	8x 3.5" hot-swap SAS2 drive bays	8x 3.5" hot-swap SAS/SATA drive bays
Peripheral Bays	1 slim DVD-ROM drive (optional)	1 slim DVD-ROM drive bay (optional) 2x 5.25" drive bays	1 slim DVD-ROM drive bay 2x 5.25" drive bays
Power Supply	980W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus	1280W Redundant Platinum Level Digital high-efficiency power supplies with I ² C & PMBus	920W Redundant Platinum Level high-efficiency power supplies with I ² C & PMBus
Cooling System	3x 8cm hot-swap PWM cooling fans with air shroud, 1x 8cm exhaust fans with optimal fan speed control	4x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans, optimal fan speed control, and optional GPU fan kit, GPU air shroud, and 2x GPU power extension cables	3x 8cm hot-swap PWM cooling fans with air shroud, 2 x 8cm exhaust fans with optimal fan speed control
Form Factor	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")	3U Rackmount 437 x 132 x 648mm (17.2" x 5.2" x 25.5")

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