

Products Motherboards Archived (EOL) [X7DBR-i+]

For OEMs Only - Minimum quantity required. Please contact your Supermicro Sales representative for additional details

	Key Features	
	1. Quad & Dual Core Intel® 64-bit Xeon® Support, 667 / 1066 / 1333MHz FSB	
	2. Intel® 5000P (Blackford) Chipset	
	3. Up to 64GB DDR2 667 & 533 SDRAM Fully Buffered DIMM (FB-DIMM)	Links & Resources
	 Intel® (ESB2/Gilgal) 82563EB Dual-port Gigabit Ethernet Controller 	Tested Memory List Motherboard Manual
	5. 6x SATA 3.0Gbps Ports via ESB2 SATA Controller	Update Your BIOS
	6. Left Universal Slot: 1 64-bit 133MHz PCI-X OR 2 (x8) PCI-Express	Download the Latest Drivers and Utilities
	7. Right Slot: 1 (x8) PCI-Express Slot (For 2U Only)	
6-DIMM Xeon Dual-Core (Blackford) ServerBoard	8. ATI ES1000 Graphics with 16MB video memory	
Similar Son Baar Sons (Slackford) Scholboard	9. IPMI 2.0 (SIMSO) Socket	

Specifications

Product SKUs -	Discontinued SKU (EOL). Please contact sales-	Chassis (Optimi	
MBD- X7DBR-i+-B	X7DBR-i+ (Bulk Pack)	1U Chassis	 <u>CSE-8</u> <u>CSE-8</u> To ens
Physical Stats		Important Chassis Notes	(minim [4-pin
Form Factor	 Enhanced Extended ATX 	Notes	require
Dimensions	 13.68" x 13" (34.7cm x 33cm) 	Expansion Slots	(For 1U
Processor/Cacl		Left	∎ 1 64-b
FIOCESSONCaci		Universal Slot	1 (x8)
	 Dual 771-pin LGA Sockets Supports up to two Intel® 64-bit Xeon® processor(s) of the same 		
	type below:	Expansion Slots	
	Quad-Core Intel® Xeon®Processor	Left Universal	 1 64-b 2 (x8)
CPU	Xeon®Processor 5400/5300 sequence	Slot	3 64-b
CPU	(Harpertown /Clovertown processor) up to 3.16 GHz	Right Slot	 1 (x8)
	up to 3.16 GHz Dual-Core Intel®	System BIOS	
	Xeon®Processor 5200/5100/5000	BIOS Type	8Mb F
	sequence (Wolfdale /Woodcrest/Dempsey processor) up to		Plug a
	3.40 GHz		SMBIC DMI 2.
System Bus	 1333 / 1066 / 667 MHz system bus 	BIOS	PCI 2.
Operating System	 Supports 64-bit Operating Systems Supports 32-bit Operating Systems 	Features	ACPI '
Software	 Supports 32-bit Operating Systems 		 USB K Hardw
System Memor	<i>v</i>		Thardw
	 Sixteen 240-pin DIMM sockets 	Management	
Memory	 Supports up to 64 GB 667 / 533MHz DDR2 ECC FB-DIMM memory 		 Option Man
Capacity	 Dual branch memory bus 	Software	Supe
	Memory must be populated in pairs Memory Mirroring supported		 Wate NMI
Memory	667 / 533MHz FB-DIMM (Fully Buffered		 ACF
Туре	DIMM) ECC DDR2 SDRAM 72-bit, 240-pin gold-plated DIMMs	Power	 Mair Wak
DIMM Sizes	512 MB, 1GB, 2GB, 4GB	Configurations	 Wak
Memory	 1.8V only 		 Pow Inter
Voltage	1.5V(AMB)		
Error	Corrects single-bit errors Detects double-bit errors (using ECC	PC Health Monite	 Monito
Detection	memory) Supports Intel® x4 and x8 Single Device	Voltage	+1.2V,
	Data Correction (SDDC)		 5-Phase auto-s
On-Board Devie	~oc		 Total of
		FAN	up to 8 5x fan
Chipset	 Intel® 5000P (Blackford) chipset MCH + PXH-V + ESB2 		Status
SATA	 Intel ESB2 SATA 3.0Gbps Controller RAID 0, 1, 5, 10 support (Windows Only) RAID 0, 1, 10 support (Linux) 		 Low no Monito
	 RAID 0, 1, 10 support (Linux) 		enviro
	 Support for Intelligent Platform Management Interface v.2.0 	Temperature	 CPU therm Therm
IPMI	200-pin IPMI SO-DIMM socket (SIMSO) (<u>Optional: AOC-SIMSO(+)</u>)		PSU I ²
		LED	 Therm CPU /
	 Intel® (ESB2/Gilgal) 82563EB Dual-Port Gigabit Ethernet Controller Supports 10BASE-T, 100BASE-TX, and 		CPU/
Network Controllers	 Supports 10BASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output 	Other Features	 Chass
Controllers	 Intel® I/OAT support for fast, scaleable, 		SDDC
	and reliable networking	Operating Enviro	
Graphics	 ATI ES1000 controller with 16 MB of video memory 		 Oper (50°t)
Super I/O	 Winbond 83627HG chip 		Non- (-40°
aput / Output		Environmental Spec.	(-40° Oper
nput / Output			(non
0	Six Serial ATA ports		 Non- 95%
Serial ATA	Six Serial ATA ports Six SATA hard drives supported		5576
Serial ATA	Six SATA hard drives supported Single FIDE channel supports up to two	OS Compatibility	
	Six SATA hard drives supported Single FIDE channel supports up to two	OS Compatibility	
Serial ATA	 Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot 	OS Compatibility • Please see our	1
	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and	Please see our	1
IDE	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100	Please see our Regulatory	OS Com
	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including cP(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) stot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 1 Floppy controller; 1.44 MB, 2.88 MB	Please see our	1
IDE Floppy LAN	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 1 Floppy controller; 1.44 MB, 2.88 MB 2 x R.445 LAN ports 2 x USB era ports	Please see our Regulatory	OS Com
IDE Floppy	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 I Floppy controller; 1.44 MB, 2.88 MB 2x RJ45 LAN ports 2x USB rear ports 2x USB rear ports 2x USB rear ports	Please see our Regulatory	OS Com
IDE Floppy LAN USB	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 1 Floppy controller; 1.44 MB, 2.88 MB 2 x R.445 LAN ports 2 x USB era ports	Please see our Regulatory	OS Com
IDE Floppy LAN USB VGA Keyboard /	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 I F Ipopy controller; 1.44 MB, 2.88 MB 2 x RJ45 LAN ports 2 x USB internal headers Total 6 USB 2.0 Compliant / 1.1 Compliant 1 x VGA Port	Please see our Regulatory	OS Com
IDE Floppy LAN	Six SATA hard drives supported Single EIDE channel supports up to two UDMA IDE devices (IDE-M, IDE-S) including CF(Compact Flash) Card Compact Flash (40-pin connector, IDE 1, single channel) slot Supports UDMA Mode 5, PIO Mode 4, and ATA/100 I Floppy controller; 1.44 MB, 2.88 MB 2x RJ45 LAN ports 2x USB internal headers Total 6 USB 2.0 Compliant / 1.1 Compliant	Please see our Regulatory	OS Com

	ized for X7DBR-i+)
1U Chassis	CSE-815TQ-700V CSE-815TQ-560V
Important	
Chassis	 To ensure system stability, a 560W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are
Notes	required]
Expansion Slots	s (For 1U Systems)
Left	1 64-bit 133MHz PCI-X OR
Universal Slot	 1 (x8) PCI-e Slot
	s (For 2U Systems)
Left Universal	 1 64-bit 133MHz PCI-X OR 2 (x8) PCI-e Slots OR
Slot	3 64-bit 133MHz PCI-X
Right Slot	 1 (x8) PCI-e Slot (for 2U)
-	
System BIOS	
BIOS Type	8Mb Flash EEPROM with Phoenix® BIOS
	 Plug and Play (PnP) SMBIOS 2.3
	SMBIOS 2.3 DMI 2.1
BIOS	PCI 2.2
Features	PCI-X 1.0 ACPI 1.0
	USB Keyboard support
	 Hardware BIOS Virus protection
Management	
	 Optional IPMI (Intelligent Platform Management Interface) 2.0
Software	
	 Watch Dog
	INIVI
	 ACPI Power Management Main Switch Override Mechanism
Power	 Wake-On-Ring (WOR) header
Configurations	 Wake-On-LAN (WOL) header Power-on mode for AC power recovery
	 Internal / External modern remote ring-or
PC Health Monit	
	 Monitors for CPU Cores, +3.3V, +5V, ±12 +1.2V, +1.5V, 5V, Standby, VBAT
PC Health Monit	5-Phase-switching voltage regulator with
	 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V
	 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting
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Voltage	 5-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans 5x fans with tachometer status monitoring Status monitor for speed control
Voltage	auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans 5x fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control
Voltage	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Sx fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Monitoring for CPU and chassis
Voltage FAN	 3-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support
Voltage	 3-Phase-switching voltage regulator with auto-sense from 0.8375/1.60V Total of five 3-pin fan headers supporting up to 5 fans 5 fans with tachometer status monitoring Status monitor for speed control Low noise fan speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors
Voltage FAN	 3-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans 5 fans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSIII 26 timereature sensing Ionic
Voltage FAN Temperature	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IFC temperature sensing logic Thermal Monitor 2 (TM2) support
Voltage FAN Temperature LED	S-P-nase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Low noise fan speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Kontrol for S fan connectors PSU IPC temperature sensing logic Thermal Monitor 2 (TM2) support CPU / System Overheat LED
Voltage FAN Temperature LED Other	 S-Pnase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Low noise fan speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IPC temperature sensing logic Thermal Monitor 2 (TM2) support CPU / System Overheat LED Chassis intrusion header
Voltage FAN Temperature LED	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU F3 thermaperature sensing logic Thermal Monitor 2 (TM2) support CPU / System Overheat LED Chassis intrusion detection
Voltage FAN Temperature LED Other Features	S-P-nase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IPC temperature sensing logic Thermal Monitor 2 (TM2) support CPU / System Overheat LED Chassis intrusion detection Chassis intrusion header SDDC Support
Voltage FAN Temperature LED Other	S-P-Mass-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU Pic temperature sensing logic Thermal Monitor 2 (TM2) support CPU J System Overheat LED Chassis intrusion detection Chassis intrusion detection SDDC Support SDDC Support
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Voltage FAN Temperature LED Other Features Operating Envir	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IPC temperature sensing logic Thermal Control for the support CPU J System Overheat LED Chassis intrusion header SDDC Support Operating Temperature: 10*to 35*C (6*to 95*F) Non-operating Temperature: 10*to 35*C
Voltage FAN Temperature LED Other Features Operating Envir Environmental	S-P-hase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Status monitor for speed control Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU P3 comparison (CTM2) support CPU / System Overheat LED Chassis intrusion detection Chassis intrusion detection SDDC Support Operating Temperature: 10°to 35°C (0°10 58°F) Non-operating Temperature: 10°to 35°C (-40°to 188°F)
Voltage FAN Temperature LED Other Features Operating Envir	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Kans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IPC temperature sensing logic Thermal Control for 5x fan connectors PSU IPC temperature sensing logic Thermal Control for 5x fan connectors CPU J System Overheat LED Chassis intrusion header SDDC Support Operating Temperature: 10°to 35°C (50°to 95°F) Non-operating Temperature: 40°to 70° (-40°to 158°F) Operating Relative Humidity: 8% to 90%
Voltage FAN Temperature LED Other Features Operating Envir Environmental	 S-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans Kans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU IFC temperature sensing logic Thermal Control for 5x fan connectors PSU IFC temperature sensing logic Thermal Control for 5x fan connectors SDD V System Overheat LED Chassis intrusion header SDDC Support Operating Temperature: 10°to 35°C (50°to 95°F) Non-operating Temperature: 40°to 70° (-40°to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 50 50%
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Voltage FAN Temperature LED Other Features Operating Envir Environmental Spec.	 b-Phase-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans fans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal tip support Thermal kip support Thermal Konttor 2 (TM2) support CPU J System Overheat LED Chassis intrusion detection Chassis intrusion detection Chassis intrusion detection Chassis intrusion detection Operating Temperature: 10°to 35°C (50°to 95°F) Non-operating Temperature: -40°to 70°C (-40°to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5 to 95% (non-condensing)
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Voltage FAN Temperature LED Other Features Operating Envir Environmental Spec. OS Compatibilit	 b-Mass-switching voltage regulator with auto-sense from 0.8375V-1.60V Total of five 3-pin fan headers supporting up to 5 fans fans with tachometer status monitoring Status monitor for speed control Monitoring for CPU and chassis environment CPU thermal trip support Thermal Control for 5x fan connectors PSU F2 temperature sensing logic Thermal Monitor 2 (TM2) support CPU J System Overheat LED Chassis intrusion header SDDC Support Onement Operating Temperature: 10°to 35°C (50°to 95°F) Non-operating Temperature: -40°to 70°C (-40°to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing)

	Header	1 Fast UART 16550 serial header	
1	Parallel Port	 1 ECP / EEP parallel port 	
	Note: For optimi	zed or compatible chassis, additional parts may be rec	uired, please check with Supermicro sales rep
		Pa	rts List

Parts List				
Standard Bulk Package	Qty	Description		
MBD-X7DBR-i+-B	1	X7DBR-i+ Motherboard		
MNL-0863	1	Motherboard Manual for X7DBR-i+		
CBL-0022L	1	ATX Floppy Cable		
CBL-0036L-03	1	ATA 66/100 IDE LP Cable		
CDR-X7 1.01	1	Version 1.01 CD or later		
	MBD-X7DBR-i+-B MNL-0863 CBL-0022L CBL-0036L-03	MBD-X7DBR-i+-B 1 MNL-0863 1 CBL-0022L 1 CBL-0036L-03 1		

Note: Items in a Standard Retail Package may differ from items in a Standard Bulk Package.

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