



## 3U 5000-Series Server

Product #OSS-MB-3U-SYS



### Description

3U NEBS-compliant server is equipped with Intel® 5000 series Server Board, two Intel® Xeon® 2.0Ghz quad-core processors, dual 500W AC or DC output power supplies, a fixed 2½" internal drive shuttle, and either a 3½" hot swappable drive shuttle or four hot swappable 2½" drive shuttles.

### Features

- Supports dual 2.0Ghz quad core Xeon® processors
- One internal 2½" drive shuttle
- Choose either a 3½" hot swappable drive shuttle or four 2½" hot swappable drive shuttles
- Dual 500W AC or DC power supplies
- NEBS-certified

### Specifications

<b>Intel® Server Board 5000 Series</b>	<ul style="list-style-type: none"> <li>• Dual quad-core Intel® Xeon® 2.0Ghz processors</li> <li>• Dual Gigabit Ethernet connections</li> <li>• Integrated Graphics</li> <li>• 32GB ECC FBDIMMs (8 DIMMs)</li> <li>• Two integrated SATA ports supporting RAID 0/1/10 with optional RAID 5</li> <li>• Integrated ATA</li> <li>• 4-port SAS controller with RAID 0/1/10 and optional RAID 5</li> </ul>
<b>Input/Output PCI</b>	<ul style="list-style-type: none"> <li>• Two PCI Express x8 slots</li> <li>• Two PCI Express x4 slots</li> <li>• One PCI-X 100/133 MHz</li> <li>• 1 x PCI-X 100 MHz</li> </ul>
<b>Storage Capacity</b>	<ul style="list-style-type: none"> <li>• 1 internal fixed 2½" drive</li> <li>• Either 1 hot swappable 3½" drive or 4 hot swappable 2½" drive shuttles.</li> </ul>
<b>Cooling Fans</b>	Three 46.6CFM fans plus power supply fan providing front-to-rear airflow
<b>Air Filter</b>	<ul style="list-style-type: none"> <li>• Removable air filter bracket with thumb screws</li> <li>• Air filter: One 30 ppi (pores per inch) air filter, open cell, polyfoam, UL 900 rating</li> </ul>
<b>Chassis</b>	<ul style="list-style-type: none"> <li>• USB connector on front panel</li> <li>• Dual DC input on rear with internal Or-ing board (DC version)</li> <li>• Cable hold-down support on rear of enclosure</li> </ul>
<b>Weight</b>	<20kg
<b>Overall MTBF</b>	100,000 hours across all components
<b>Construction</b>	Clear zinc plated (20 and 18 gauge) cold rolled steel
<b>Power Supplies</b>	500W input power supply
<b>AC</b>	Dual input on rear panel
<b>-48VDC</b>	Dual input on rear panel
<b>Outputs</b>	+5 @ 30A, +12V @ 11A, -12V @ 1A, +3.3V @ 22A, -5V @ 1A



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## Specifications - continued

<b>Operating Environment</b>	<ul style="list-style-type: none"> <li>• Temperature Range: 0° to 50°C (32° to 122°F)</li> <li>• Relative Humidity: 10 to 90% non-condensing</li> <li>• Shock: 30g acceleration peak (11ms pulse)</li> <li>• Vibration: 5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration</li> </ul>
<b>Agency</b>	<p>Meets or exceeds the following requirements:</p> <ul style="list-style-type: none"> <li>• NEBS-compliant, FCC Class A</li> <li>• Safety UL/CSA-60950-1, EN60950-1, IEC60950-1, CB Scheme with all country deviations, IEC825-1, 2, CFR21 part 1040, CNS1436, GB4943</li> <li>• RFI/EMC EN55022 Class A, 47 CFR 15B Class A, ICES-003 Class A, VCCI Class A, AS/NZ 3548 Class A, CNS 13438 Class A, KSC 5858 Class A, GB9254 Class A, EN61000-4-6, GB17625.1, EN6100-3-3</li> <li>• Immunity EN55024, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000 4-5, IEC 61000-4-6, IEC-61000-4-8, IEC 61000-4-11</li> <li>• Regulatory markings CE, FCC, ICES-003, VCCI, UL/cUL</li> <li>• Certified to NEBS level 3</li> </ul>

## Power Supply Specifications: DC Output

Output Voltage	Output Current Min.	Output Current Max.	Regulation Load	Regulation Line	Output Ripple & Noise Max [P-P]
5V	3	25.00	+/-5%	+/-1%	80mV
12V	2	28	+/-6%	+/-1%	120mV
-12V	0	0.50	+/-10%	+/-1%	150mV
-5V	0	0.50	+/-10%	+/-1%	150mV
+5V	SB	0.1	+/-5%	+/-1%	80mV
3.3V	1	20	+/-5%	+/-1%	80mV

## Power Supply Features

<b>Active PFC (full range):</b>	Meet IEC-1000-3-2 Class D
<b>12V Max Current:</b>	28A
<b>Temperature Range:</b>	Operating: 0° to 40° C
<b>Humidity:</b>	<ul style="list-style-type: none"> <li>• Operating: 20%-95%</li> <li>• Non-operating: 10%-95%</li> </ul>
<b>Remarks:</b>	85% is normal condition and 95% is with special coating process
<b>EMI Noise Filter:</b>	FCC Class B, CISPR22 Class B
<b>Safety:</b>	UL 1950, CSA 22.2 NO/950, TUV IEC 950
<b>Power:</b>	Remote On/Off control
<b>Cooling:</b>	Dual 40mm DC fans
<b>Remote Sensing:</b>	3.3V/5V
<b>Serial ATA:</b>	Optional

## Ordering Information

- OSS-MB-3U-SYS-AC** – 3U NEBS server, Intel® server board with dual Intel® Xeon® 2.0Ghz processors, dual 500W AC power supplies, one 2½" internal fixed hard drive, one 3½" hot swappable drive shuttle.
- OSS-MB-3U-SYS-DC** – 3U NEBS server, Intel® server board with dual Intel® Xeon® 2.0Ghz processors, 500W DC power supplies with dual –48VDC inputs, one 2½" internal fixed hard drive, one 3½" hot swappable drive shuttle.
- OSS-MB-3U-SYS-5HD-AC** – 3U NEBS server, Intel® server board with dual Intel® Xeon® 2.0Ghz processors, dual 500W AC power supplies, one 2½" internal fixed hard drive, four 2½" hot swappable drive shuttles.
- OSS-MB-3U-SYS-5HD-DC** – 3U NEBS server, Intel® server board with dual Intel® Xeon® 2.0Ghz processors, dual 500W DC power supplies with dual –48VDC inputs, one 2½" internal fixed hard drive, four 2½" hot swappable drive shuttle.