

1U 2 Drive Server

Product #OSS-MB-1U-SYS



Description

1U NEBS-compliant server is equipped with Intel® 5000 series Server Board, two Intel Xeon® dual core, processors, 400W AC or DC output power supply, a 3½" hot swappable drive shuttle and a fixed 2½" internal drive shuttle.

Features

- 1U x 21" deep
- Ruggedized rackmount enclosure
- Superior cooling with front-to-rear airflow
- USB connector on front panel
- AC or DC inputs

Specifications

Dimensions:	17" wide x 1.75" high x 21" deep
Cooling Fans:	Six 23CFM fans plus power supply fan providing front-to-rear airflow
Air Filter:	<ul style="list-style-type: none"> • Removable air filter bracket with thumb screws • Air filter: One 30 ppi (pores per inch) air filter, open cell, polyfoam, UL 900 rating
Chassis:	<ul style="list-style-type: none"> • USB connector on front panel • Dual DC input on rear with internal Or-ing board (DC version) • 3½" hard drive shuttle • Cable hold-down support on rear of enclosure
Weight:	<20kg
Overall MTBF:	100,000 hours across all components
Construction:	Clear zinc plated (20 and 18 gauge) cold rolled steel
Power Supply:	400W input power supply
AC:	Single input on rear panel
-48VDC:	Dual input on rear panel
Outputs:	+5 @ 30A, +12V @ 11A, -12V @ 1A, +3.3V @ 22A, -5V @ 1A
Intel® Server Board 5000 Series	<ul style="list-style-type: none"> • Multi-core Intel® Xeon® processor • Dual Gigabit Ethernet connections • Integrated Graphics • 32GB ECC FBDIMMs (8 DIMMs) • Two integrated SATA ports supporting RAID 0/1/10 with optional RAID 5 • Integrated ATA • 4-port SAS controller with RAID 0/1/10 and optional RAID 5
Storage Capacity	<ul style="list-style-type: none"> • 1 hot swappable 3½" drive • 1 internal fixed 2½" drive



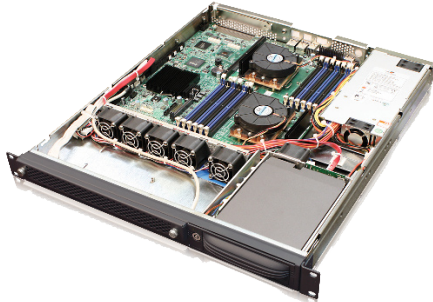
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Specifications - continued

Input/Output PCI:	<ul style="list-style-type: none"> • Two PCI Express x8 slots • Two PCI Express x4 slots • One PCI-X 100/133 MHz • 1 x PCI-X 100 MHz
Memory Capacity:	16GB ECC FBDIMMs (8 DIMMs) DDR 2 533/667mHz
Operating Environment:	<ul style="list-style-type: none"> • Temperature Range: 0° to 50°C (32° to 122°F) • Relative Humidity: 10 to 90% non-condensing • Shock: 30g acceleration peak (11ms pulse) • Vibration: 5-17 Hz 0.5" double amplitude displacement; 7-2000Hz, 1.5g acceleration
Agency:	<p>Meets or exceeds the following requirements:</p> <ul style="list-style-type: none"> • NEBS-compliant, FCC Class A • Safety UL/CSA-60950-1, EN60950-1, IEC60950-1, CB Scheme with all country deviations, IEC825-1, 2, CFR21 part 1040, CNS1436, GB4943 • 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 • 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 • Regulatory markings CE, FCC, ICES-003, VCCI, UL/cUL • Certified to NEBS level 3

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

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