



PSS-12208

1U server based on dual Intel® Xeon® E5 v4 series with up to 256GB DDR4 ECC support, VGA, GbE Ethernet and 3Gbps SATA



FEATURES

- Dual Intel® Xeon® E5 v4 series
- Support up to 256GB DDR4-2133 ECC DIMM or 512GB DDR4-1600 ECC DIMM
- IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
- 8x SATA3 through mini SAS
- Up to 2x RJ45 Gigabit Ethernet LAN
- 1x PCIe x16
- 2x rear USB 3.0

GENERAL

Processor	<ul style="list-style-type: none"> • Dual Intel® Xeon® E5 v4 series • Up to 22 cores • Up to 145W TDP
Chipset	<ul style="list-style-type: none"> • Intel® C612 chipset
Memory	<ul style="list-style-type: none"> • 16 slots DDR4 ECC memory <ul style="list-style-type: none"> ◦ Support 2133 MHz, 8 DIMMs, up to 256GB ◦ Support 1600 MHz, 16 DIMMs, up to 512GB • RDIMM: 32GB, 16GB, 8GB, 4GB
BIOS	<ul style="list-style-type: none"> • 64Mb SPI Flash EEPROM with AMI BIOS • DMI 2.3, ACPI 1.0/2.0/3.0, Plug & Play (PnP)
IPMI	<ul style="list-style-type: none"> • IPMI 2.0 with virtual media over LAN and KVM-over-LAN support • ASPEED AST2400 BMC • RJ45 dedicated IPMI port
System Health Monitoring	<ul style="list-style-type: none"> • System health monitoring • Onboard voltage monitors for +1.05V, 1.5V, +3.3V, 3.3VSB, +5V, +5V standby, +12V, chipset, memory, CPU1/CPU2 Vcore, and battery voltage • Low-noise fan speed control
Storage Device	<ul style="list-style-type: none"> • 1x slim CD-ROM/DVD-ROM • 2x dedicated SATA III 7-pin SATA interfaces • 8x 2.5" SATA III (up to 10) • Software SATA RAID: 0/1/5/10

I/O INTERFACE

Ethernet	<ul style="list-style-type: none"> • Intel® Ethernet Controller XL710 • 2x RJ45 Gigabit Ethernet LAN (LAN one also supports IPMI port) • Optional PCIe x8 mezzanine card with 2x 10G optical
PCIe Expansion	<ul style="list-style-type: none"> • 1x PCIe x16 with raiser card • 1x PCIe x8
Video	<ul style="list-style-type: none"> • ASPEED AST2400 BMC • DisplayPort/VGA
USB	<ul style="list-style-type: none"> • 1x front USB 2.0 • 2x rear USB 3.0
LED	<ul style="list-style-type: none"> • Front LED: Power, LAN, HDD • Back LED: UID/remote UID

Mechanical & Environment

Dimension	1U, 19"(W) x 17.7"(D) x 1.75"(H)
Power Supply	<ul style="list-style-type: none"> • 500W redundant power supply • AC Input: 90~264VAC full range • ROHS, USA - UL listed, CCC, CE certification • 80 Plus Gold
Operating Environment	<ul style="list-style-type: none"> • 10°C~40°C • 8~90% non-condensing
Storage Environment	<ul style="list-style-type: none"> • -20°C~70°C • 5~95% non-condensing
Certification	RoHS, UL compliance



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Contact PM-COMM@portwell.com to discuss your design options.