

CSW-1240

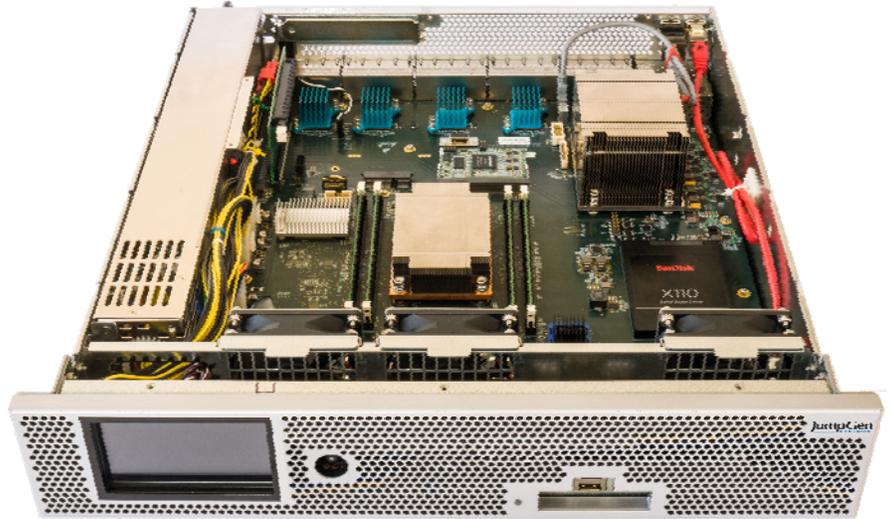
Trident II-based Server-Switch Appliance

SUMMARY

The CSW-1240 is part of PARPRO's CogniSwitch Network Appliance product line that combines the functionality of a server and a switch into a single, compact, rackmount appliance.

The CSW-1240 features an Intel® Xeon E5 v2 Family Processor with up to 3.5GHz core clock rate and up to 32GB DDR3-1866 memory with ECC. One Broadcom Trident II BCM56852 Ethernet switch and five BCM54680E transceivers provide 40 ports to the rear panel 10/100/1000Base-T RJ45 connectors and 8x 10G SFP+ ports.

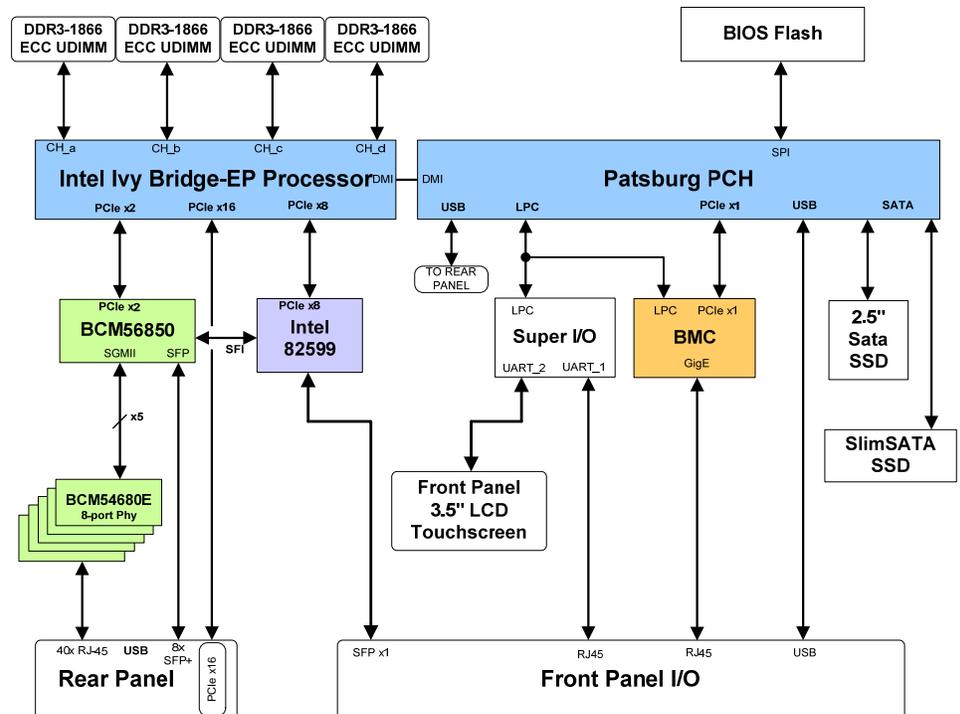
This high performance 2U network switch appliance fits into the standard 19-inch wide rack enclosure.



KEY FEATURES

- ◆ **Broadcom Trident II Switch**
- ◆ **Intel® Xeon E5 v2 Processor**
- ◆ **41x 10/100/1000Base-T RJ45**
- ◆ **9x 10G SFP+ ports**
- ◆ **Front panel LCD touchscreen**

BLOCK DIAGRAM



▶ CSW-1240

▲ SPECIFICATIONS

Central Processing Units (CPUs)	<p>Intel® Xeon E5 v2 Family Processor:</p> <ul style="list-style-type: none"> • Up to 12 cores with 24 Threads of execution • Up to 3.5 GHz with 30MB Cache • Up to 128GB of DDR3 memory w/ECC running up to 1866 MHz Quad Channel, x72 bus width
Storage	<ul style="list-style-type: none"> • 2.5" SATA SSD is provided for Storage • Optional SlimSATA for OS and application storage
Ethernet Switch	<p>Broadcom Trident II BCM56852 Ethernet switch</p> <ul style="list-style-type: none"> • Managed through PCIe ports from the CPU • 40x 1G ports via (5) BCM54680E octal transceivers • 8 SFP+ 10G ports • Supports VXLAN and NVGRE tunnel termination
Rear Panel I/O	<ul style="list-style-type: none"> • 41x 10/100/1000Base-T RJ45 ports • 8 SFP+ 10G ports • One USB port
Front Panel I/O	<ul style="list-style-type: none"> • One SFP+ 10G port • One RJ-45 RS-232 port • One USB port • One 10/100/1000Base-T RJ45 port (BMC) • Touchscreen LCD panel (basic graphics and splash capability, no video support)
Chassis Management	BMC provides power monitoring and fan control
Power	<ul style="list-style-type: none"> • Dual redundant 800 watt hot-swappable power supplies • IEC input connectors supporting 90 to 264VAC 50/60Hz input • PSMI-compliant monitoring interface
Mechanical	<ul style="list-style-type: none"> • 19-inch rack mountable in 2U height and 20 inch depth • Front-to-back cooling
Environmental	<ul style="list-style-type: none"> • Operating temperature range: 0 to 50 °C • Humidity: 0 to 95% (non-condensing) • Typical power consumption: <350 watts

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