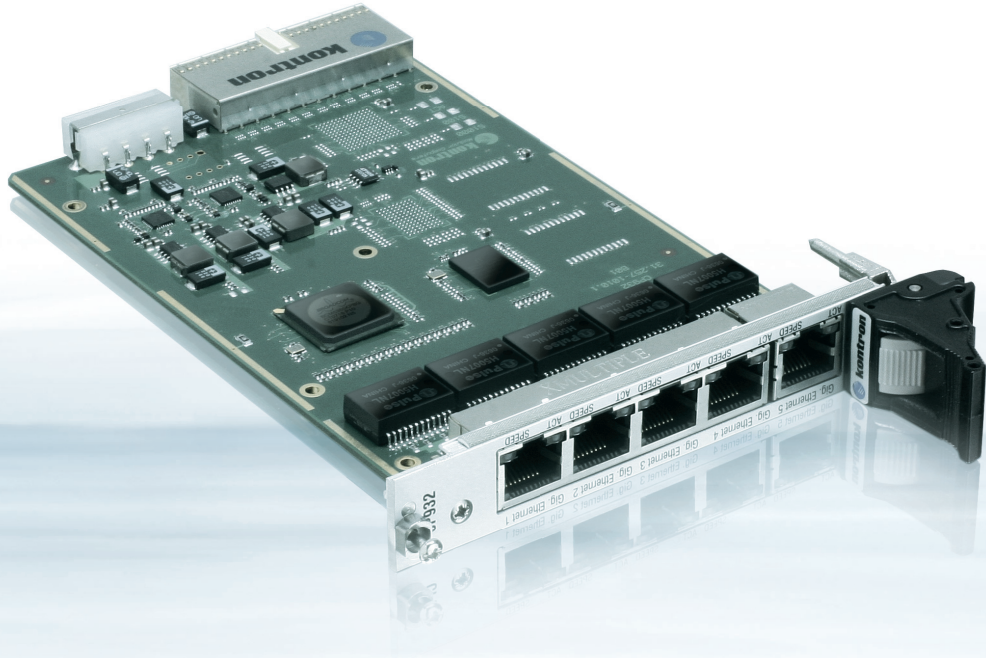


CP932



GIGABIT ETHERNET SWITCH WITH INTEGRATED NIC

- ▶ five gigabit ethernet ports plus integrated NIC
- ▶ versatile design
- ▶ robust design suited for harsh environments

POSSIBILITIES START HERE



Designed for operation in industrial automation applications, the CP932 is a rugged 6-port Gigabit Ethernet Switch with an integrated NIC. The CP932 supports 10/100/1000Base-T Ethernet on five ports with RJ45 connectors; each with two status LEDs. The sixth port is optional and connected through a Gigabit Ethernet NIC to the Master CPU of the CompactPCI Backplane segment.

On the CP932 the Broadcom BCM5388 Gigabit Ethernet Switch is used. This device is a highly integrated solution. It combines all the functions of a high-speed switch system, including packet buffer,

media access controllers, address management, and a nonblocking switch fabric. It complies with IEEE 802.3, 802.3u, 802.3ab, and 802.3x specifications, including the MAC control, pause frame and auto negotiation subsections, providing compatibility with all industry-standard Ethernet, Fast Ethernet and Gigabit Ethernet devices. The media access controllers on the CP932 also support Jumbo Frames which are typically used for high-performance connections to servers because they offer a smaller percentage of overhead on the link for more efficiency.

▶ TECHNICAL INFORMATION

GENERAL	NUMBER OF PORTS TRANSFER RATE UPLINK POWER	5x 10/100/1000Base-T plus NIC over CPCI 10/100/1000 Mbit/s with auto-negotiation MDI/MDIX on all ports (auto-crossover) 5 Volt / 7 Watt
CONTROLLER	SWITCH CONTROLLER SRAM ON CHIP MAC ADDRESSES VLAN ETHERNET CONTROLLER PCI-BUS SOFTWARE	Broadcom BCM5388 (BCM5385 for NIC-less version) 128 KByte for frame buffering integrated look-up engine with 8K MAC addresses VLAN 4K 802.1Q or port-based supported Intel® 82541PI 32 bit / 33 or 66 MHz, Universal VIO (5 Volt tolerant) Windows 2000, Windows XP, Windows XP embedded, Linux, VxWorks (other OS's may be possible, please contact us)
COMMON	FRONT PANEL CONNECTOR FRONT PANEL LED'S POWER CONNECTOR DIMENSIONS TEMPERATURE RANGES CLIMATIC HUMIDITY WEIGHT MTBF	5x RJ45 for CAT5 cable Link/Activity and Speed 4-pin ATX power connector (5 Volt only), J1 of CompactPCI (5 Volt only) 100 x 160 mm (3U card size) 0°C to + 60°C (standard); -40°C to +85°C (extended); -55 C to +100°C (storage) Non-condensing 93% at 40°C acc. to IEC 60068-2-78 170 g 246.649 h acc. to MIL-HDBK-217 FN2

▶ ORDERING INFORMATION

ARTICLE	PART NO.	DESCRIPTION
CP932	29508	6-port Gigabit Ethernet Switch with 5x RJ45 on the front panel and one integrated NIC
CP932-E2	31281	6-port Gigabit Ethernet Switch with 5x RJ45 on the front panel and one integrated NIC, Ext. temp. -40 to +85°C
CP932	29510	5-port Gigabit Ethernet Switch with 5x RJ45 on the front panel (without NIC)
CP932-6U	31070	5-port Gigabit Ethernet Switch with 5x RJ45 on the front panel (without NIC) with 6U front panel
KIT-CP932 ⁽¹⁾	30090	Windows 2000, Windows XP Board Support Package, CP932 User's Manual
WXPE-BSP-CP932 ⁽¹⁾	1022-2327	Windows XP embedded Board Support Package, CP932 User's Manual
LIN-DRV-CP932 ⁽¹⁾	31033	Linux Driver CP932, CP932 User's Manual
VXW-DRV-CP932	30178	VxWorks 6.4 Driver CP932, CP932 User's Manual

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