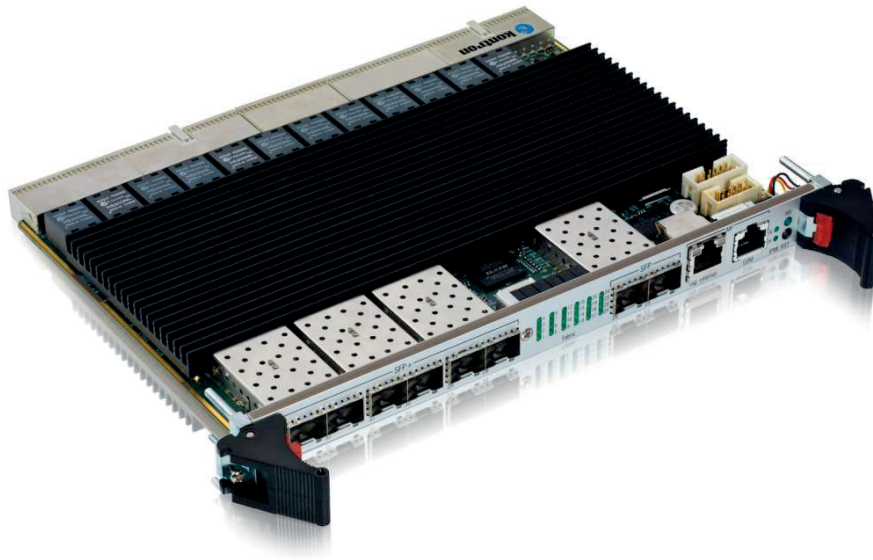


» CP6930 «



CompactPCI®

CompactPCI / VME Ethernet Switch

32 Port 1/10 Gigabit managed non-blocking Layer 2 & 3

- » Fully managed layer 2 & 3 switching and routing
- » Rugged, Reliable & Robust
- » Versatile, complete rear I/O and uplink support
- » DHCP server & boot media support

CP6930

32 Port 1/10 Gigabit managed non-blocking Layer 2 & 3 CompactPCI / VME Ethernet Switch

The Kontron CP6930 is a non blocking fully managed L2/L3 10Gb Ethernet Switch and provides rich and versatile feature support by using highest integration of Ethernet switch silicon.

Bandwidth

The CP6930 is designed for future oriented applications requiring outstanding bandwidth and communication safety. 6 SFP+ front ports running at 10Gb/s full line speed and 2 SFP ports at the front providing 1Gb support gives flexibility and an intrinsic value for today's investments. The 24 rear ports according to PICMG2.16 and VITA31.1 fulfil the requirement of CompactPCI and VME systems with highest computing performance.

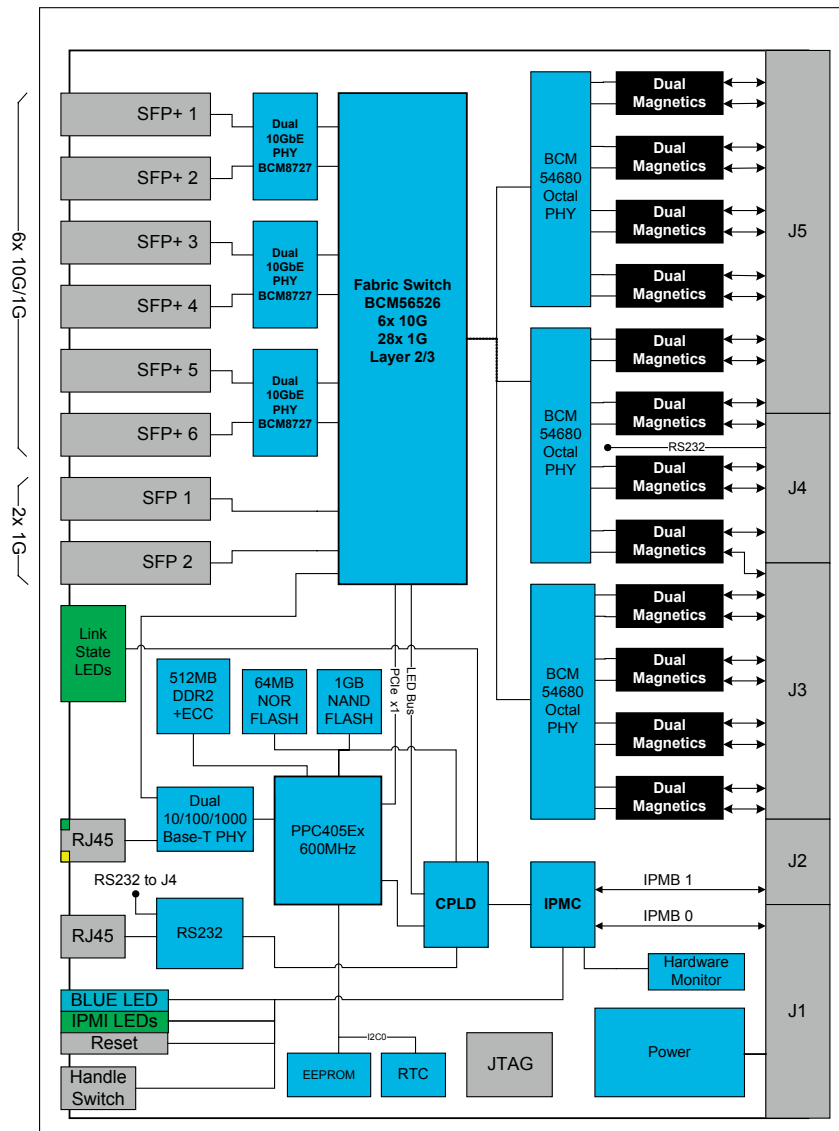
Reliability

The robust design features including hardware hot swap as well as complete SNMP management support sets the foundation for robust and reliable systems. Built-In test capabilities enable effective switch maintenance.

Management

The CP6930 can be monitored via SNMP, which also allows access to the devices connected to the backplane. A comprehensive command line interface provides easy management and remote configuration by either serial or network interface.

Support for features like IP forwarding & multicast, routing & switching, Quality of Service, VLANs it is an ideal Switch for CompactPCI and VME systems according to PICMG2.16 and VITA31.1.



Technical Information

Compliance

CompactPCI® Core Specification PICMG 2.0 Rev. 3.0
 CompactPCI® HotSwap Specification PICMG 2.1 Rev. 2.0
 CompactPCI® System Management PICMG 2.09 Rev. 1.0
 CompactPCI® Packet Switching Backplane PICMG 2.16 Rev. 1.0
 VNE64x Packet Switching Backplane VITA 31.1
 Intelligent Platform Management Interface Specification V1.5
 ANSI/Vita 47-2005
 IEC 60068-2-6, IEC 60068-2-27, IEC 60068-2-29
 EN 60950, UL60950, LVD 73/23/EEC, Denan Law compliant

Interfaces

8x 1GBase-X uplinks (SFP connector cages), 6 of them configurable for 10GBase-X operation using SFP+ optical transceivers.
 SGMII support for 'Copper-SFPs' in 2 of the 8 front panel uplink ports, providing 10/100/1000Base-T modes of operation.
 1x 10/100Base-T for Management (RJ45 connector)
 1x RS232 for Management (RJ45 connector)
 Reset Switch
 Status LEDs
 24x 10/100/1000 Base-T link ports on backplane or RTM

Controller and Switch

Broadcom BCM56526 Ethernet Switch
 PowerPC IBM PPC405Ex 600 MHz with 512MB RAM
 NXP uController for IPMI

Management

Management via SNMP, Command Line (Telnet, SSH)
 » In-band
 » Out of band via Ethernet or RS232
 IPMI version 1.5, Power On Self Test
 DHCP server, relay and Boot media support
 Reliable software, field upgradable
 Dual boot images with roll-back capabilities
 Advanced management monitoring features
 Ethernet/Bridging protocols include
 » Link aggregation (802.3ad)
 » VLANs (802.1Q)
 » QoS (IEEE 802.1p)
 » Spanning tree (802.1D, 802.1w)
 » Flow control (802.3x)
 » GARP/GVRP, GMRP
 » ARP, ICMP, OSPF, RIP, VRRP, DVMRP
 Enhanced Features are
 » Egress ACLs, IP ACL support
 » Auto VoIP
 » IGMP snooping & proxy support
 » Startup configuration configurable
 » Watchdog
 » Cable test

General

Power Consumption

Max. 75 W

Dimensions

233.5 x 160 mm, 6U

Weight

Approx. 800gr.

MTBF

217.387h acc. Telcordia Issue 1, Method I Case 3 Ground Benign, Controlled

Temperature Range

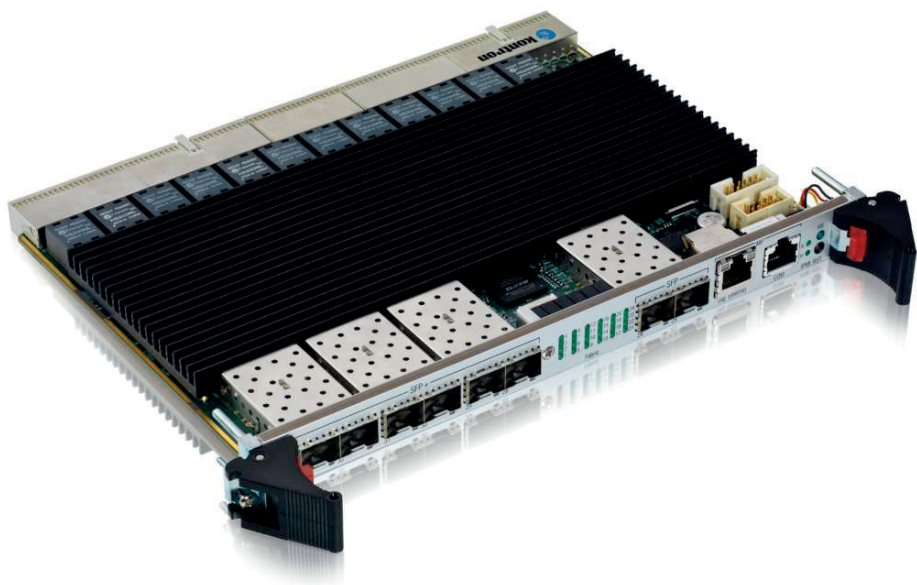
0°C to +60°C

Humidity

93% RH at 40°C, non-condensing (acc. to IEC 60068-2-78)

Ordering Information

Article	Part No.	Description
CP6930	1036-1656	6U, single slot Gigabit Ethernet Switch with complete L2/L3 management, 24x rear 1GbE, 2x front 1GbE and 6x 10GbE Uplinks.
CP-RI06-923	36309	6U, 4HP, rear transition module for PICMG2.16 switch, 12 ports (ports 12 to 23), RJ45, RS232 on RJ45.
CP-RI06-923	36310	6U, 8HP, rear transition module for PICMG2.16 switch, 24 ports (ports F, 1 to 23), RJ45, RS232 on RJ45.



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Datasheet – CP6930 #01082015WMMH
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