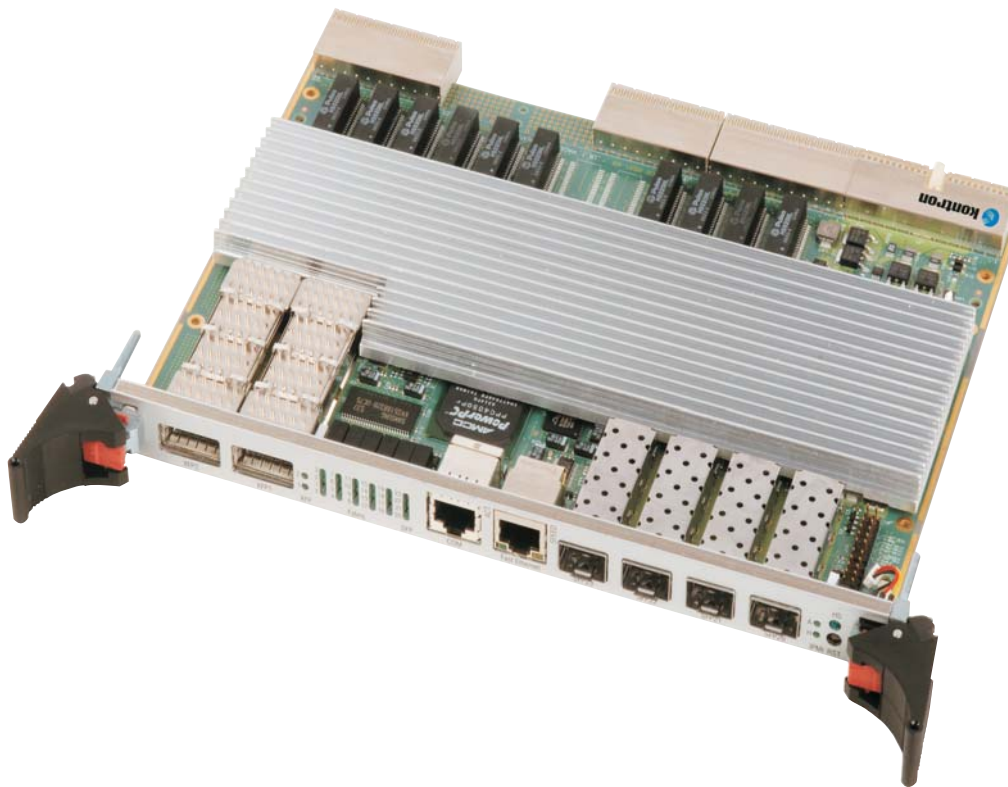


➤ CP6923

24 Port non-blocking Layer 2 & 3
PICMG 2.16 Gigabit Ethernet Switch



- State-of-the-Art Technologie, Future ready
- Non-Blocking Layer 2&3 Switching and Routing
- 24 Gigabit Ethernet ports plus two 10GbE XFP Uplink
- Versatile design, adapted to your requirements
- Comprehensive Firmware Package

➤ Product Overview

The new Kontron CP6923 provides built-in switching capacity for Compact PCI installations at an unsurpassed price performance ratio by implementing the latest developments in switching technology. It applies to VoIP installations such as Call Servers, Media Gateways and Trunking Gateways in wireline and wireless networks, as well as VoIP systems in enterprise networks with high demands on performance. A boost in switching capacity allows to match rising transaction load and traffic load in VoIP installations. The CP6923 is a 6U hot-swappable CPCI switch with 24 GbE ports and two high capacity uplinks (10GbE). It supports all relevant standards in carrier grade L2 and L3 switching and routing, including VLANs and QoS (Diffserv). The CP6923 represents the latest member of the CPCI product family for communication networks by Kontron.

CP6923 comes in three standard flavours, all with 19+ channel Gigabit Ethernet ports to the rear and a serial and LAN console connection to the front panel.

- CP6923-C: Ports 20 to 23 are available on the front panel on RJ45 connectors.
- CP6923-O: Ports 20 to 23 are available on the front panel on SFP connectors and additionally two 10GbE XFP uplink connections.
- CP6923-R: Ports 20 to 23 are available on the rear on the extended fabric ports.

Compliance

CompactPCI Core Specification PICMG 2.0 Rev. 3.0
CompactPCI Hot Swap Specification PICMG 2.1 R2.0
CompactPCI System Management PICMG 2.9 R1.0
CompactPCI Packet Switching Backplane PICMG 2.16 R1.0
VME64x Packet Switching Backplane VITA 31.1

Controller

- Broadcom BCM56502 Ethernet Switch
- PowerPC® 405 32-bit RISC processor core operating up to 400MHz, synchronous SDRAM interface

Management and Protocols

- Management via SNMP, TELNET, CLI
 - In-band
 - Out of band via Ethernet or RS232
- IPMI version 1.5
- Reliable Software field upgrade capable
- Dual boot images with roll-back capabilities
- Ethernet/Bridging protocols include
 - Link aggregation (802.3ad)
 - VLANs (802.1Q)
 - Spanning tree (802.1D, 802.1w)
 - Flow control (802.3x)
 - GVRP, GMRP

Interfaces

Common: - 1x 10/100Base-T Management port on RJ45
- 1x RS232 Management port on RJ45
- Reset Switch
- Status LEDs, one per port

CP6923-C:- 4x 10/100/1000Base-T Link ports on RJ45

CP6923-O:- 4x 1000Base-F Link Ports on SFP

- 2x 10GbE-R Uplink ports on XFP

CP6923-R:- 4x 10/100/1000Base-T Link ports on the rear

Common

Power Cons.: 35Watt (typ)
Dimensions: 215mm x 160mm (6U card size)
Temp. Range: 0°C to +55°C (standard)
-40°C to +85°C (optional, on request)
Oper. Humidity: 0% to 92% (non-condensing)
Weight: < 800g
MTBF: 198.216h @ 30°C / 86F (Bellcore Issue 6)

➤ Ordering Information

Product	Description	Order No.
CP6923-C	Copper Version with 20 Gigabit Ethernet ports to the rear and four RJ45 ports to the front panel	33608
CP6923-O	Optical Version with 20 Gigabit Ethernet ports to the rear, four SFP cage connectors and two 10Gb XFP cage connectors to the front panel	33609
CP6923-R	Rear Version with 24 Gigabit Ethernet ports to the rear	35832

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If it's embedded, it's Kontron!

