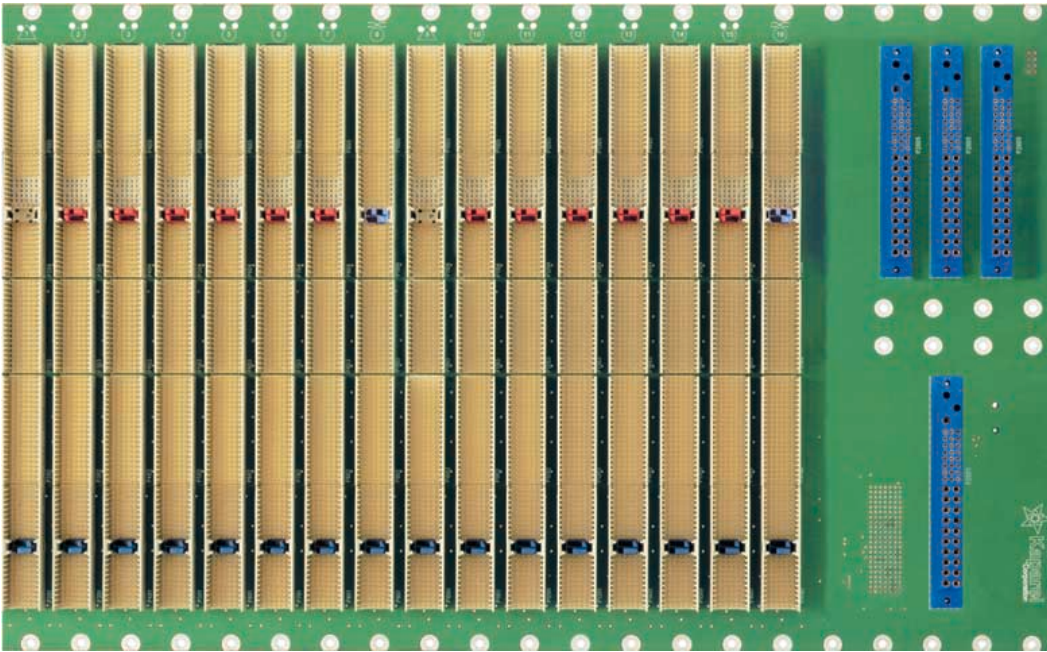


PS4900 Ethernet Switch Fabric Backplane



Features:

- Selectable V(I/O) (3.3 V or 5 V) when configured for 33MHz CompactPCI
- Integrated Shottky diode bus termination
- PICMG 2.1 R2.0 compliant Full Hot Swap
- Provisions for up to four backplane stiffeners to control flex
- PICMG 2.5 R1.0 compliant H.110 CT buses on all node slots
- Support for 8HP System Boards at expense of one node slot
- Dual redundant switch fabric support (2 fabrics + 12 nodes) as outlined in PICMG 2.16 R1.0
- Support for Rear Transition Modules in all board slots
- Configurable power slot support for two 6U x 8HP, three 6U x 4HP, three 3U x 8HP, or four 3U x 4HP supplies
- All power slots support PICMG 2.11 R1.0 power supply modules
- Power input headers for H.110 -Vbat, -SELVbat and VRG power signals
- ATX power header for auxiliary power input/output
- Two fan power connectors for 12 V and System Management support
- Support for Kaparel/Rittal proprietary Alarm Board
- Support for two Kaparel/Rittal proprietary Power Entry Modules (PEMs)
- AC/DC power input header if PEVs are not used
- PICMG 2.9 R1.0 compliant System Management Bus (SMGbus) support on all cards, power supplies, PEVs, fans, and Alarm Board
- Support for 12C bridge function on Alarm Board to support >19 SMBus nodes

PS4900 Ethernet Switch Fabric Backplane:

The PS4900 Series Ethernet Switch Fabric support Switched Ethernet, as defined in the PICMG 2.16 Specification and offer high capacity CompactPCI, incorporating Packet Switching architecture for developers of next generation telecom networks.

The PS4900 Series of backplanes allow telephony designs and high availability systems that combine CompactPCI with Ethernet for high-speed systems. The PS4900 Series offers a variety of off-the-shelf backplanes that provide flexibility in the overall system configuration.

General Description:

The PS4900 backplane is a 7U x 84HP (6U form factor) CompactPCI Packet Switching Backplane (cPSB), as defined by PICMG 2.16. Sixteen board slots support two redundant

CompactPCI buses, each having one system slot, six node slots, and one fabric slot. Two 8-slot 64-bit CompactPCI buses operating at 33MHz PCI or 66MHz PCI-X.

Order No.	Model No.	Description
3689186	PS4905	Same as PS4900 minus the H.110 bus
3689188	PS4908	8-slot (7U x 32HP) — 1 fabric slot, 6 node slots with cPCI and H.110, 1 host slot
3686414	PS4918	Same as PS4908 minus the H.110 bus
3686397	PS4920	21-slot (7U x 84HP) — 7 node slots with cPCI and H.110, 1 host slot, 1 node slot with H.110 and without cPCI, 1 fabric slot, 7 node slots with cPCI and H.110, 1 host slot, 1 node slot with H.110 and without cPCI, 1 fabric slot and 1 alarm slot
3689190	PS4921	Same as PS4920 minus the H.110 bus
3689191	PS4922	Same as PS4920 minus the CompactPCI bus

PS4400 cPSB Configuration:

