

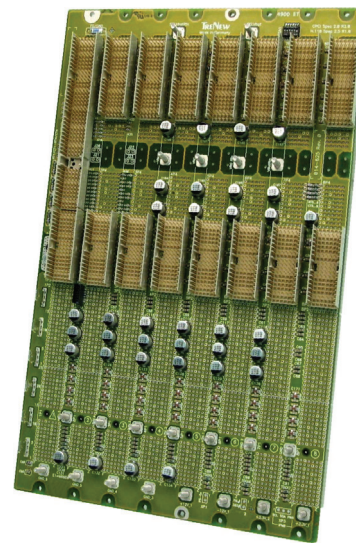
CompactPCI Backplane with H.110 bus

About Computer Telephony / H.110

The integration of computers and telecommunications has enabled a wide range of new communications applications. A key element in the development of computer-based communications equipment has been the addition of a telecom bus to existing cPCI Backplanes on the J4/P4 CompactPCI connector location. The objective of this CT Bus specification is to provide a single telecom bus for the entire industry. A single, industry-wide CT Bus is driving new applications, reducing costs and expanding markets. The H.100 CT Bus specification is targeted at CompactPCI form factor products. It defines the utilization of CompactPCI user definable pins for the computer telephony functions of standard TDM bus, telephony rear IO, 48 VDC and ringing distribution in a 6U chassis environment to support the next generation of high capacity servers.

Features

- Compliant with
 - PICMG 2.0 R3.0 CPCI Core Specification
 - PICMG 2.5 R.1.0 Computer Telephony Specification
 - PICMG 2.1 R2.0 Hot Swap Specification
 - PICMG 2.9 R1.0 System Management Specification
- System slot left or right
- System slot can be isolated from H.110-bus (8 slot Backplane only)
- Modular power system
4 to 8 slot powered via:
 - ATX cable
 - M3 power bolts (cable lugs, washer and nuts enclosed)
 - Positronic P47 (pass through contacts enclosed)
 - DIN 41612 type M (pass through contacts enclosed)
- P4 telecom power bus voltages via M3 bolts
- Number of slots: 4,6,8 (others on request)
- 10-layer construction
- Virtually zero crosstalk
- Fastons for supplying HDD and fans
- Decoupling of the DC voltages far beyond 1 GHz (act as EMI-filter)
- Hot swap capability
- PCB height 262.05 mm
- PCB thickness 4.4 mm
- Connector for status signals „FCON“ Part number of mating connector including 1.0 m cable, open end: 008-083



CLIMATIC

- Operating temperature -40 °C up to +85 °C
- Storage temperature -55 °C up to +85 °C
- Climatic conditions category to IEC 68/1: 25/085/21

MECHANICAL

- Flammability:
 - PCB: UL 94 V-0
 - Connectors: UL 94 V-0/-1
- Vibration:
 - According to DIN 41640 part 15: 10 Hz to 500 Hz 5 g rms
 - Impact (10 impacts per axis x,y,z) 50 g, 6 ms.
- Layerstackup 10 layers/8 layers (2 Slot)
- Connector: 2 mm pitch, 7 rows,
 - Quality class 2 compliant to spec. I EC
 - 61076-4-101 and BELLCORE GR-1217-CORE
 - Insertion force 0.75 N and extraction force 0.15 N of every contact

Order Code

Option	Code and description	8	9	7	2	-	-	6	0
System Slot	2 - right with H.110 3 - right without H.110								
Clock frequency	0 - 33 MHz, V(I/O) +5 V (coding key brilliant blue) 3 - 33 MHz, V(I/O) +3.3 V (coding key yellow) 6 - 66 MHz, V(I/O) +3.3 V (coding key yellow up to 5 slots only)								
Number of slots	04 to 08 (more slots on request)								
Bridge	6 - without bridge								
Power connection	8 - Power bolts								
	9 - DIN 41612 Type M connector								
	H - ATX cable								
	J - Positronic P47								
Bus width	0 - 64 bit								
	1 - 32 bit (on request)								
Contact plating	0 - Power inputs tinned								
	IEC pins gold-plated class 2								