

TCP220 CompactPCI Carrier for 4 IndustryPacks®

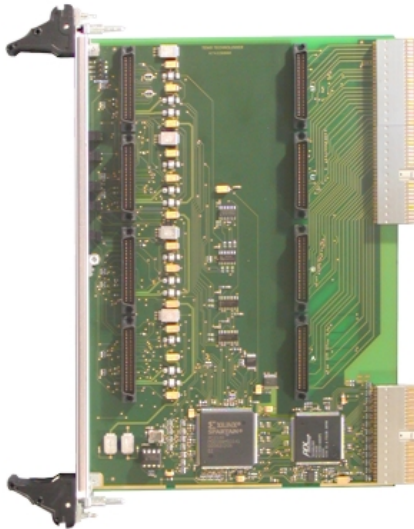
Application Information

The TCP220 a standard 6U CompactPCI Carrier provides back I/O for up to four single-size or two double-size IndustryPack (IP) modules used to build modular, flexible and cost effective I/O solutions for applications in control, medical systems, telecommunication and traffic control.

Access to all IP I/O lines is provided by a PICMG 2.4 R1.0 compliant I/O mapping via J4 and J5. Status indicators for IP access, +5V and +/-12V are provided in the front panel.

The TCP220 can operate with 3.3V and 5.0V PCI I/O signaling voltage.

All IP interrupt request lines are mapped to PCI INTA. For fast interrupt source detection, the TCP220 provides a special IP interrupt status register.



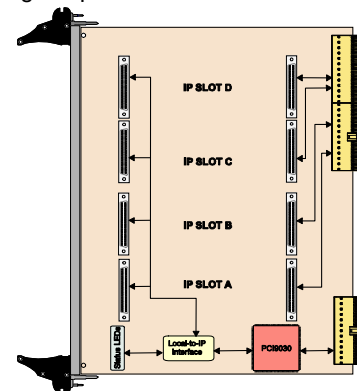
The IP power lines are fuse protected by self healing fuses and RF filtered. The operating temperature range is -40°C to +85°C.

The TCP220 complies with the PICMG 2.0 Revision 3.0 CompactPCI specification.

For First-Time-Buyers the Engineering Documentation TCP220-ED is recommended. The Engineering Documentation includes TCP220-DOC, schematics and data sheets of the TCP220.

Technical Information

- Standard 6U 32Bit CompactPCI module conforming to PICMG 2.0 Rev 3.0
 - PCI 2.2 compliant interface
 - Board size: 160mm x 233.35mm
 - PCI Interface : 33 MHz; 32 bit
 - 5V and 3.3V PCI I/O signaling voltage
- ANSI/VITA 4-1995 compliant interface to IndustryPack modules
 - IndustryPack slots: Four single-size or two double-size
 - 8/32 MHz interface, no DMA
 - 8 MByte memory space per IP
 - Routing of all IP interrupts to PCI INTA, local interrupt status register
 - I/O access: PICMG 2.4 R1.0 compliant via J4, J5
- Status LED's
 - ACK LED for each IP module
 - +5V Power LED for each IP slot
 - +12V and -12V Power LED
- Self Healing fuses and RF-filtering on all IP power lines
- Operating temperature -40°C to +85°



Order Information

RoHS Compliant

TCP220-10R CompactPCI Carrier for 4 IndustryPacks, back I/O on J4/J5

None RoHS Compliant

TCP220-10 None RoHS compliant version of TCP220-10R

Documentation

TCP220-DOC User Manual
TCP220-ED Engineering Documentation, includes TCP220-DOC

Software

CARRIER-SW-25 Integrity Software Support
CARRIER-SW-42 VxWorks Software Support (Legacy and VxBus-enabled Software Support)

CARRIER-SW-65 Windows XP/XPE/2000 IP Carrier Software Support

CARRIER-SW-72 LynxOS IP Carrier Software Support

CARRIER-SW-82 Linux IP Carrier Software Support

CARRIER-SW-95 QNX 6 IP Carrier Software Support

For other operating systems please contact TEWS.

Related Products

TCP001-TM 6U Transition Module (no front panel), I/O lines are accessible via four 50 pin ribbon cable connectors

TCP002-TM 6U Transition Module (EMI front panel), I/O lines are accessible via four HD50 SCSI-2 connectors