



Bitronics M87x Family

P10, P11, P12 Ethernet cPCI Modules

Key Features

- Auto-negotiating 10/100 Ethernet Copper
- Internal jumpers for 10 operating modes
- Integral 10 or 100 Ethernet Fiber option
- CompactPCI™ bus

Three Ethernet modules are available, each with a standard cPCI connector. All are provided with an RJ45 port conforming to 10BASE-T/100BASE-TX standards.

The P10 module is the RJ45 port only.

The P11 module has a 10 Mbps Fiber port (10BASE-FL) with the RJ45 port. This Ethernet module supports either Copper or Fiber at one time.

The P12 module has a 100Mbps Fiber port (100BASE-FX) with the RJ45 port. This Ethernet module supports either Copper or Fiber at one time.

Copper Cable Capability

- CAT-5 or above
- 100 meters max
- 100 ohm UTP or STP
- RJ45 Copper connector
- Compliant to IEEE 802.3-1996 (IEC 8802-3:2000)

Fiber Cable Capability

- 2000 meters max
- Multimode glass
- 62.5 core and 125mm cladding (62/125)
- Two ST Fiber connectors (RX/TX)

Module Chassis Interface

- One cPCI connector, 2mm, hard metric for interface to other modules in chassis
- Complies with CompactPCI version 2.0, supporting 32 bit and speeds to 33MHZ

Front Panel Settings

- Six LED indicators (valid link, rate, collision detection, full or half duplex operation, packet transmission, packet reception)
- Module ejector handle

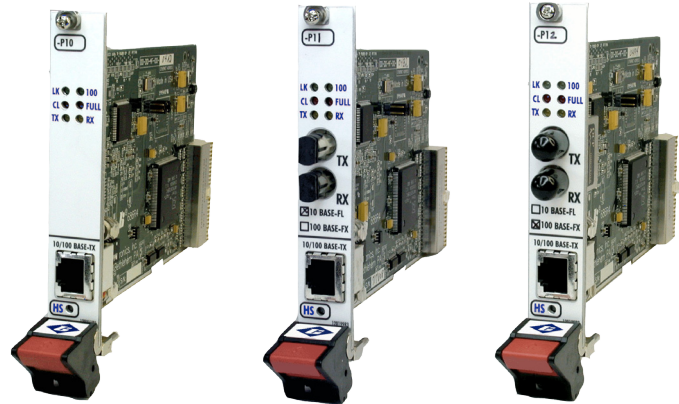
Ethernet Board Jumper Settings

- Default is auto-negotiate mode
- Other modes can be forced, for example, speed and half or full duplex

Environmental

- -40C to +70C operating temperature
- 0-95% non-condensing relative humidity
- IC III (distribution level), Pollution Degree 2 installation category

P10, P11, P12 Ethernet cPCI Modules



P10
10BASE-T/100BASE-TX

P11
10BASE-T/100BASE-TX
10BASE-FL

P12
10BASE-T/100BASE-TX
100BASE-FX

Contact:

NovaTech, LLC
Bitronics Measurement and Recording
261 Brodhead Road
Bethlehem, PA 18017

T: 610.997.5100
F: 610.997.5450
E: bitronics@novatechweb.com
www.novatechweb.com