afi

CXB-6p-PoE SERIES

(4) 10/100 Base-TX & (2) 1000BASE-X SFP Ethernet Switch, (4) Contacts In/Out, (2) Probe Ports, (1) Serial Port

FEATURES:

- (4) 10/100 Base-TX Ports with 802.3af PoE (15 watts per port)
- Auto MDI / MDIX Detection
- Auto Negotiation on the 10/100/ Base TX Ports
- (2) SFP Pluggable Ports
- Link and Activity Indicators for UTP and Fiber Ports
- (4) Contacts In/Out
- (2) AFI Probe Ports
- Surge Protection on Power & I/O Connections
- Self Managed Switch

SPECIFICATIONS:

Ethernet:
Data Rate
4 Ports RJ45.........................10/100 Base-TX
PoE (4 RJ45 ports)............................ 802.3af
2 Ports SFP………………………1000 Base-X

Serial Port:
Data.. RS232
Data Rate……………………………...57.6 kbs
Connector.......................................Male DB9

AFI USB Probe Ports:
Supports 2 Environmental Monitoring Probes
-P-TAH…….. (Temperature/Airflow/Humidity)
-P-VFP…………(Voltage, Frequency, Power)

Alarm In: (4 channels)
(Software selectable)**:**
Normally Open (NO) or Normally Closed (NC)
Unsupervised or Supervised

Auxiliary Output: (4 channels)
Relay Type .... Form C
Max Current... 1.0 A
Max Voltage…………………...........30VDC/1A
………………………65VDC/0.46A
………………………150VAC/0.46A

Power:
Universal Power Input:
90 to 264 VAC, 47 to 63 Hz
Optional DC Input:
Voltage ....48 VDC
Current (without PoE load) .... 150 mA
Current (with 60W PoE load)…………..… 1.5 A
Connector .... 2 Pin Terminal Block

Environmental:
Operating Temperature………-20°C to +70°C
StorageTemperature…………-40°C to +85°C
Humidity……………………………5 % to 95 %
MTBF………………….….……….>100,000 hrs

Size:
1RU 1.75" High x 8.5" Wide x 6.75" Deep
4/1/13 JPK

The American Fibertek CXB-6p-PoE Series transmits and receives (4) copper 10/100 Base-TX Ethernet signals at the RJ45 ports and (2) 1000 Base-X over copper or fiber using SFP ports.

The CXB-6p-PoE Series also sources power to devices from the RJ45 ports over the copper connection. All 4 RJ45 ports may be used to deliver dc power (802.3af 15 watts) to devices. The unit is AC line powered (90 to 264VAC, 47 to 63Hz) with an option to provide an external 48Vdc power input (such as a battery backup) on the rear of the unit.

The system is designed to be completely transparent with auto negotiation features which automatically configures the unit for the correct speed (10/100 Base-TX). Auto MDI/MDIX operation eliminates the potential need for crossover cables. Diagnostic indicators provide a quick visual indication of system status.

Several other I/Os are available including four contact input/output channels, 2 AFI USB probe ports (supports environmental monitoring), and an RS 232 channel (for setup/configuration and data communication).

Available probes (ordered separately) include the P-TAH and the P-VFP.
The P-TAH monitors temperature, airflow, and humidity. The P-VFP monitors line voltage, frequency, and power.

Also included is the afi **Watchdog Ping** system that can detect when devices fail to respond over the network. Upon loss of ping an auxiliary contact may be cycled or PoE power to a specified port may be cycled to restore a locked up network device to normal operation.

ORDERING INFORMATION:
CXB-6p-PoE
(Order SFP modules and probes separately)