



CoBox® -FL Device Server

The CoBox-FL is the first Device Server to support fiber optic cabling. The CoBox-FL enables devices to connect to an Ethernet network over fiber optic medium. It provides exceptional functionality for users with IP applications requiring two serial ports. An extensive firmware feature set and a variety of configurable hardware options make the CoBox-FL one of the most flexible network-enabling devices available today. The CoBox-FL also has support for 10BASE-T connection, making it a fit for most any networking environment.

This Device Server has been designed to extend networks over fiber optic cabling to machinery rooms, waste water treatment plants, refineries, mines and other harsh environments. Here are some of the features of CoBox-FL Device Server.

- Flexible, well-developed TCP/IP protocol support
- RJ45 (10BASE-T) and ST Multi-mode Fiber (10BASE-FL) Ethernet interfaces
- RS-232 and RS-485 serial connections via a DB-9 and a DB-25 serial ports
- Serial speeds up to 115Kbps supported
- Configurable via internal WEB server, serial port, and Telnet login
- 128-bit encryption for the maximum level of security
- Flash ROM for easy software upgrades

Protocols Supported

ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, TFTP, and HTTP

Device Support

Supports any RS-232/RS-422/RS-485 serial device requiring Ethernet access

Network Interface

Ethernet
ST Multi-mode fiber interface (10BASE-FL)
RJ45 (10BASE-T)

Serial Interface

DB25 RS-232/RS-485 serial port DCE configuration
DB9 serial port DTE configuration

Data Rates

Serial speeds up to 115Kbps

Modem Control

RTS, CTS, DSR, DCD, DTR

Serial Line Formats

Characters: 7 or 8 data bits
Stop bits: 1 or 2
Parity: odd, even, none

Flow Control

Software XON/XO1FF
Hardware CTS/RTS

Management

Internal Web Server
SNMP (read only)
Serial login
Telnet login

Software

Flash ROM standard;
downloadable from a TCP/IP host (TFTP) or over serial port

Diagnostic LEDs

Transmit Data (yellow)
Receive Data (yellow)
Good Link (green)
Collisions (red)
Channel status (green and yellow)
Fault indicator (red)

Compatibility

Ethernet: Version 2.0/IEEE 802.3

Power Requirements

12-30V-DC or AC input
Power Consumption: 9 Watts

Environmental

Operating Temperature
5° to 50°C (41° to 122°F)
Storage Temperature
-40° to 66°C (-40° to 151°F)

Physical Dimensions (H x W x D)

1.57 x 6.1 x 7.2 in
(4.0 x 15.5 x 18.3cm)
Weight: 1.1 lbs (.5Kg)

Shipping Dimensions (H x W x D)

2.75 x 13.25 x 6.75 in
(7.0 x 33.66 x 17.15cm)
Weight: 2.9 lbs (1.315Kg)

Agency Approvals

CE, FCC B (Ethernet),C/UL

Warranty

5-year limited warranty

Ordering Information

CoBox-FL-01

Device Server, 1 DB25 (RS-232/RS-485) serial port, 1 DB9 (RS-232) serial port, ST Fiber interface (10BASE-FL) and RJ45 (10BASE-T) network ports, diagnostic LEDs, Installation Guide, CS, external universal wall mount power supply

CoBox-FL-04

Same as above with desktop IEC power supply

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Specifications