



#### 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

*Corporate Offices*  
15353 Barranca Parkway  
Irvine, CA 92618, USA  
949 453 3990  
949 453 3995 fax  
www.lantronix.com

*Automation Headquarters*  
44 Merrimac Street  
Newburyport, MA 01950, USA  
978 499 8910  
978 499 8911 fax  
http://automation.lantronix.com

*Europe, Middle East & Africa*  
Minervum 1707  
4817 ZK Breda  
The Netherlands  
+31 (0) 76 565 8176  
+31 (0) 76 565 8179 fax  
eu\_sales@lantronix.com

*France*  
+33 (0) 139 30 41 74  
+33 (0) 139 30 41 73 fax  
eu\_sales@lantronix.com

*Germany*  
+49 (0) 7720 3016 20  
+49 (0) 7720 3016 88 fax  
eu\_sales@lantronix.com

*Latin America & Caribbean*  
949-450-7227  
949-450-7231 fax  
la\_sales@lantronix.com

*Pacific Rim*  
46 East Coast Road  
East Gate #10-01  
Singapore 428766  
+65 447 4222  
+65 344 0614 fax  
asiapacsales@lantronix.com

*Spain & Portugal*  
+34 (0) 91760 0846  
+34 (0) 91760 0846 fax  
eu\_sales@lantronix.com

*United Kingdom & Ireland*  
+44 (0) 118 945 1555  
+44 (0) 118 945 1633 fax  
eu\_sales@lantronix.com

*United States & Canada*  
800-422-7055 (Commercial)  
800-422-7022 (OEM)  
sales@lantronix.com

