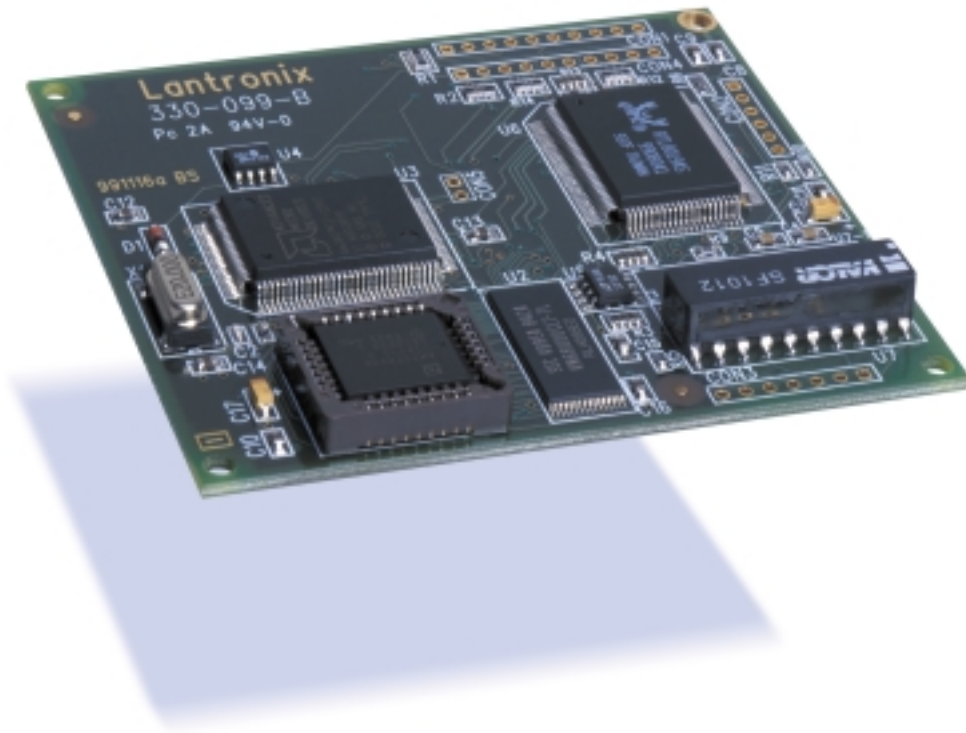## CoBox® Mini
Embedded Device Server

The Lantronix CoBox Mini Embedded Device Server is a board-only server which provides OEM customers with the means to network-enable their products. The CoBox Mini is small enough (2.76 x 3.15 x .4 in / 7.0 x 8.0 x 1.0 cm) to fit into most any product or to be easily designed in as an attachment to a PCB board design. OEM customers can order the CoBox Mini in a wide variety of custom configurations. The CoBox Mini supports the same IP protocol stack found on the other Lantronix CoBox products.

- Easily network-enable any product
- Flexible, well-developed IP protocol stack
- Ethernet (10Base-T or AUI)
- Two TTL serial data interfaces
- Accepts 5VDC regulated input power
- HTTP, Serial, Telnet and SNMP management
- Flash ROM for easy software upgrades
- Custom protocol support available

LANTRONIX®

Protocols Supported
ARP, UDP, TCP, Telnet, ICMP, SNMP, DHCP, and TFTP

Network Interface
10Base-T or AUI Ethernet (transformer and resistors/capacitors required) STP (SubD9)

Serial Interface
2 TTL serial interfaces
Reset line
RxD/TxD
RTS/CTS/DCD
DTR line (for disconnect)
Three status lines (for LEDs)

Data Rates
300bps to 115.2Kbps

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

Modem Controls
DTR (TTL level)

Flow Control
XON/XOFF
CTS/RTS
None

Management
HTTP
SNMP (read only)
Serial login
Telnet login

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

Diagnostic LEDs
Tx/Rx Data
Good Link
Status
Diagnostics

Compatibility
Ethernet: Version 2.0/IEEE 802.3

Power Requirements
5VDC regulated
250mA

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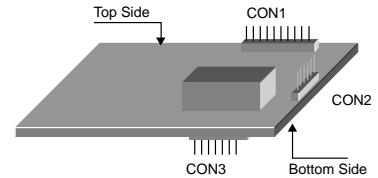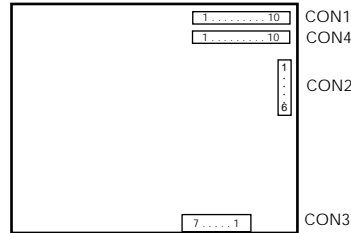Storage Temperature
-40° to 66°C (-40° to 151°F)

Physical Dimensions (H x W x D)
2.76 x 3.15 x .4 in
(7.0 x 8.0 x 1.0cm)

Ordering Information
Contact Lantronix OEM Sales

Pinouts for Ethernet

TTL1 (CON1) 10 Pin Header	
Pin	**Function**
1	+5V
2	GND
3	RxD (out)
4	TxD (in)
5	Reset
6	DTR
7	LED1
8	LED2
9	LED3
10	+5V (LEDs)

TTL2 (CON4) 10 Pin header	
Pin	**Function**
1	DCDA (input)
2	GND
3	TXB (input)
4	RXB (output)
5	CTSA output)
6	N/C
7	RTSA (input)
8	N/C
9	N/C
10	N/C

AUI (CON2) 6 Pin Header	
Pin	**Function**
1	CD+
2	CD-
3	Rx+
4	Rx-
5	Tx+
6	Tx-

10Base-T(CON3) 7 Pin Header	
Pin	**Function**
1	Tx+
2	Tx-
3	Rx+
4	Rx-
5	N/C
6	LED
7	+5VDC

Specifications

CoBox Mini

For More Information:
For more information on this product and all of the products and services provided by Lantronix, please visit us at **www.lantronix.com**. For immediate needs, you may contact us directly at any of our corporate and regional headquarters. A complete listing of all our sales offices can be found at our web site.

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

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