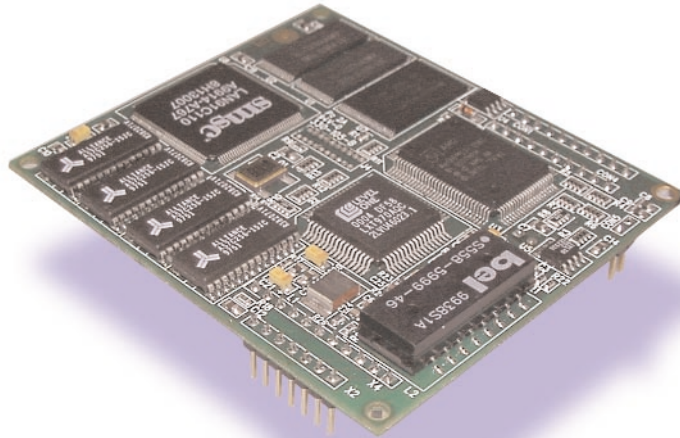


CoBox-Mini100



The Lantronix CoBox-Mini100 Embedded Device Server is a board-only product which provides OEM customers and integrators with the means to network-enable their products via the same IP protocol stack found on other Lantronix CoBox products.

It supports a wide variety of configurations and features for Ethernet network connectivity.

Serial interfaces are accomplished via TTL connectors with full modem and hardware flow control signals support. The CoBox-Mini100 auto-senses network speeds of 10Mbps or 100Mbps.

With the CoBox-Micro, the CoBox-Mini, and now the Mini100, the CoBox family offers the Embedded Device Server customer a full range of solutions.

- 10/100Base-T Ethernet network interface
- Second 10/100Base-T Ethernet interface to be used in noisy and harsh environments
- Internal Java-based HTTP interface for ease of configuration and management
- Encryption for higher security required for certain critical application devices
- Full featured serial TTL interfaces (two channels) supporting modem and hardware flow control signal manipulations
- Comm Port Redirector software

Embedded Device Servers



Protocols Supported

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

Network Interface

10/100BASE-T

Serial Interface

2 TTL serial interfaces
Power reset pin
RxD/TxD
RTS/CTS/DCD
DTR line
Three status lines (for LEDs)

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

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

System Software

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

LED Lines

Good Link
Port Status
Diagnostics

Compatibility

Ethernet Version 2.0/IEEE 802.3

Power Requirements

5VDC regulated, 650mA

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)

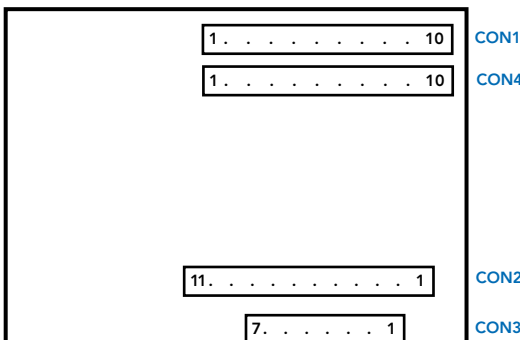
Ordering Information

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CON1 TTL Serial Port		CON4 TTL Serial Port		CON3 10/100 BASE-T Connector			CON2 *10/100 BASE-TX Connector		
Pin	Signal	Pin	Signal	Pin	Signal	RJ45	Pin	Signal	RJ45
1	+5VDC	1	DTRA (output)	1	Tx+	1	1	Tx+	1
2	GND	2	GND	2	Tx-	2	2	Tx-	2
3	TxA (output)	3	RxB (input)	3	Rx+	3	3	Rx+	3
4	RxA (input)	4	TxB (output)	4	Rx-	6	4	Decoupling	4
5	RESET (pull low to reset)	5	CTSA (input)	5	Decoupling (Shield)		5	Decoupling	5
6	DCDA (input)	6	CTSB (input)	6	LED (Link)		6	Rx-	6
7	LED1 (Channel 1)	7	RSTA (output)	7	+5VDC (for LED)		7	Decoupling	7
8	LED2 (Channel 2)	8	DTRB (output)				8	Decoupling	8
9	LED3 (Diagnostics)	9	DCDB (input)				9	Decoupling (Shield)	
10	+5VDC (for LED)	10	RTSB (output)				10	LED (Speed 100MBit)	
							11	+5VDC	



**CoBox-Mini100
Board Layout**

"A" refers to signals for the first serial channel.

"B" refers to signals for the second serial channel.

* Either CON3 or CON2 should be used for the network interface. Using CON2 is suggested for harsh and noisy environments.

Specifications

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