

FEATURES

- No configuration, easy setup mode
- Learning, Ethernet bridge
- Protocol independent
- No routing configuration required.
- 10/100BaseT Ethernet interface
- RS-232/422/485 interface at 230.4 Kbps
- Available with optional 2nd independent WAN port
- Ideal companion to narrow band UHF and 2.4 GHz spread spectrum wireless modems
- Advanced Management allows SNMP, Web-browser, telnet, or terminal management



DESCRIPTION

The X7207 Bridge is an easy to use Ethernet bridge. The link between the X7207 Bridges is asynchronous RS-232, RS-422, or RS-485 (4 wire) running at speeds between 300 bps and 230.4 Kbps. It is available with a second WAN port, which is ideal for higher density host sites or daisy chaining bridges, commonly used for SCADA applications.

The X7207 Bridge is 100% protocol independent. It will bridge TCP/IP, AppleTalk, DecNet, Netbui, or any protocol that can be transported over Ethernet. This makes the X7207 Bridge easy to set up. No configuration is necessary.

Data is only transferred over the bridge if it is destined for an Ethernet address (MAC layer address) on the other side of the bridge. Traffic is filtered, much the same way an Ethernet switch filters Ethernet traffic, to maximize available bandwidth. Unless advanced management is required, no IP address is involved and there is no set-up other than matching serial port speeds. Advanced management allows SNMP, web-browser, and telnet based management of the bridge.

Addresses are learnt quickly. This allows, for example, a technician to work at one end of the bridge with a laptop computer, then move the laptop to the other side, with no need to reset the bridge. The bridge learns within a few packet times that the computer and its Ethernet address moved to the other side of the bridge.

As no IP address are required to be set the X7207 bridge is much easier to use than a router. There is no subnet mask to setup. There is no destination IP address to setup. You just plug it in and use the network. Popular in the early 90's, bridging technology was often abandoned as communication equipment hardware grew to offer routing capability. However, using a router for small networks adds tremendous complexity, overhead, and requires knowledge of protocols and IP subnetting. In addition, there are many non-routable protocols in use. The availability of an inexpensive Ethernet WAN bridge now brings back those economies and simplicity for LAN connections that typically use fewer than several hundred computers.

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SPECIFICATION

ABSOLUTE MAXIMUM RATINGS

Storage Temperature..... -30 to +85 Celsius
Operating Temperature -10 to +55 Celsius

DIMENSIONS 107mm by 127mm by 38mm

GENERAL

- Management Methods
 - Any Web Browser
 - Telnet Menu Interface
 - Direct Connection Menu Interface
- SNMP (get and trap) functionality included
- RS-232 serial port, DTE interface
- DE-9 RS-232 male serial DTE (terminal interface) port
- Serial speeds from 300 bps to 230,000 bps
- RJ45 10 BaseT and 100BaseT Ethernet, autoselected
- Management via telnet command line interface, the serial port, or any web browser

INDICATORS

Link and Activity LEDs

CONTROLS

One Press button switch used to establish operating mode.

WAN Port

Interface: RS-232, V.24, speeds up to 230,000 bps asynchronous

Connector: DE-9P RS-232 (commonly known as a DB-9 PC connector)

LAN Connection

Interface: 10BaseT or 100BaseT

POWER

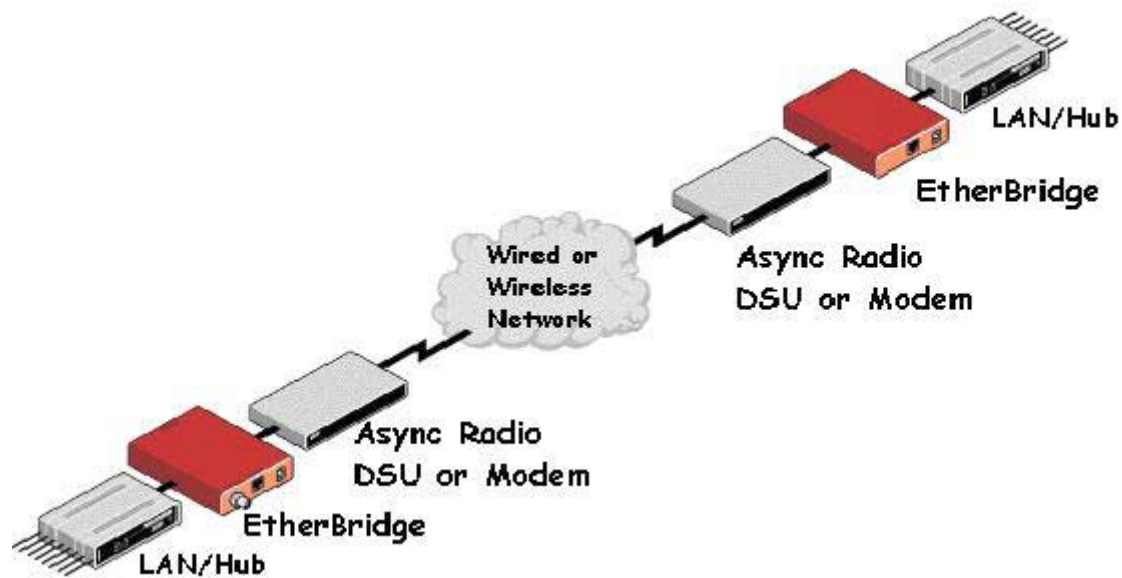
240/110 VAC or 12, 24, VDC

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TYPICAL APPLICATIONS



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