Ether-Serial Link Family

Ethernet-to-serial links simply and effectively network-enable serial devices. Lava's Ether-Serial Links are fully configurable with Telnet, a web browser, or the Windows-based *Lava Ether Link Manager*. The serial ports on these devices have versatile and powerful operating modes to suit almost any need. Ether-Serial Links provide fully standard remote serial ports that look to your operating system as if they were installed right in your PC, but that can be accessed over a network segment, a LAN, or even the Internet.

Ether-Serial Link Single Port

- One serial port supporting up to 115.2 kbps throughput (DB-9/RJ-45; RS-232/RS-422/RS-485)

Ether-Serial Link Single Port

Ether-Serial Dual Port

- Two serial ports supporting up to 115.2 kbps throughput (DB-9/RJ-45; RS-232/RS-422/RS-485) per port

Ether-Serial Link Dual Port

Ether-Serial Quad Port

- Four serial ports supporting up to 115.2 kbps throughput (DB-9/RJ-45; RS-232/RS-422/RS-485) per port

Ether-Serial Link Quad Port

All Ether-Serial Links have:

- Powerful serial port operating modes
- RJ-45 serial versions have 10-wire connectors with jumpered power configuration on Pin #10
- 10 Base-T Ethernet interface (RJ-45)
- Intuitive installation and configuration
- Auto-detection of Ether-Link devices using the *Ether Link Manager* software
- Support for: IP, HTTP, ICMP, TCP, TFTP, UDP
- Ungradable firmware
- Support for Windows 2000/XP/NT4, Linux 7.2+, QNX
- Power supply included

Serial Port Mode	Description
Driver (default)	Serial port is enumerated on the host computer as a local COM port. Software on the PC can access the ESL ports as normal com ports. ***Applications***: General serial port access from software running on a PC.
Raw Client	Raw TCP connection to an ESL port. The physical port on the ESL becomes a network resource with an IP address and port number. ***Applications***: Remote monitoring, security systems.
Raw Server	Raw TCP connection to an ESL port. The physical port on the ESL is configured to initiate a connection to a pre-defined IP address and port number. ***Application***: Remote device control, remote polled monitoring.
Data Connect	Combines Raw Client and Raw Server modes. The ESL will either initiate a TCP connection when activity is detected at the serial port, or it will receive TCP packetized serial data from the network port when an outside client connects to it. ***Applications***: Provides a serial-to-serial communication link; can replace serial cables with an Ethernet connection.
RFC 2217	ESL port allows port configuration commands and serial data to be sent to the ESL using RFC 2217 framework for serial port control over Telnet. ***Applications***: UNIX systems and other platforms that have RFC 2217 Telnet capability can access and control the serial COM port of the ESL.
Ethernet Modem	Provides a standard "AT" command interface for communicating with devices over Ethernet, as well as control commands for the ESL. An ESLcan "dial" an IP address and TCP port; incoming TCP connections are handled under AT command set rules. ***Applications***: Remote console management, POS modem replacement.
RAS Server	The serial port of the RAS client device is attached to the serial port of the ESL. An IP address (configured by user) is assigned to RAS client. ***Applications***: Windows CE embedded systems, Palm type units, or other portable data acquisition devices that may need access to a TCP/IP-Ethernet environment, and have PPP capability, but do not have a Ethernet port.

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