

Ether-Serial Links

What are Ether-Serial Links?

Ether-Serial Links are network hardware that connects serial devices to Ethernet networks. Any serial device—POS equipment, factory machinery, monitoring hardware, or security devices, for example—can send its information to the Ether-Serial Link. The Ether-Serial Link places the serial data in a TCP/IP wrapper and sends it out its Ethernet port. Data moving the other direction, from the Ethernet side of the Ether-Serial Link to the serial device, undergoes the same process in reverse.



Ether-Serial Single Port

What can an Ether-Serial Link do?

Ether-Serial Links are among the most versatile of network devices. Using them, you can access and control serial devices across a network, or even across the Internet, just as if they were attached directly to your PC.

Ether-Serial Links assign IP addresses to their serial ports, making it possible for a single PC to control many serial devices, for many PCs to access a particular serial device, or for the distance limitations of serial cabling to be easily overcome. The 50 foot cable limitation of RS-232 no longer exists!

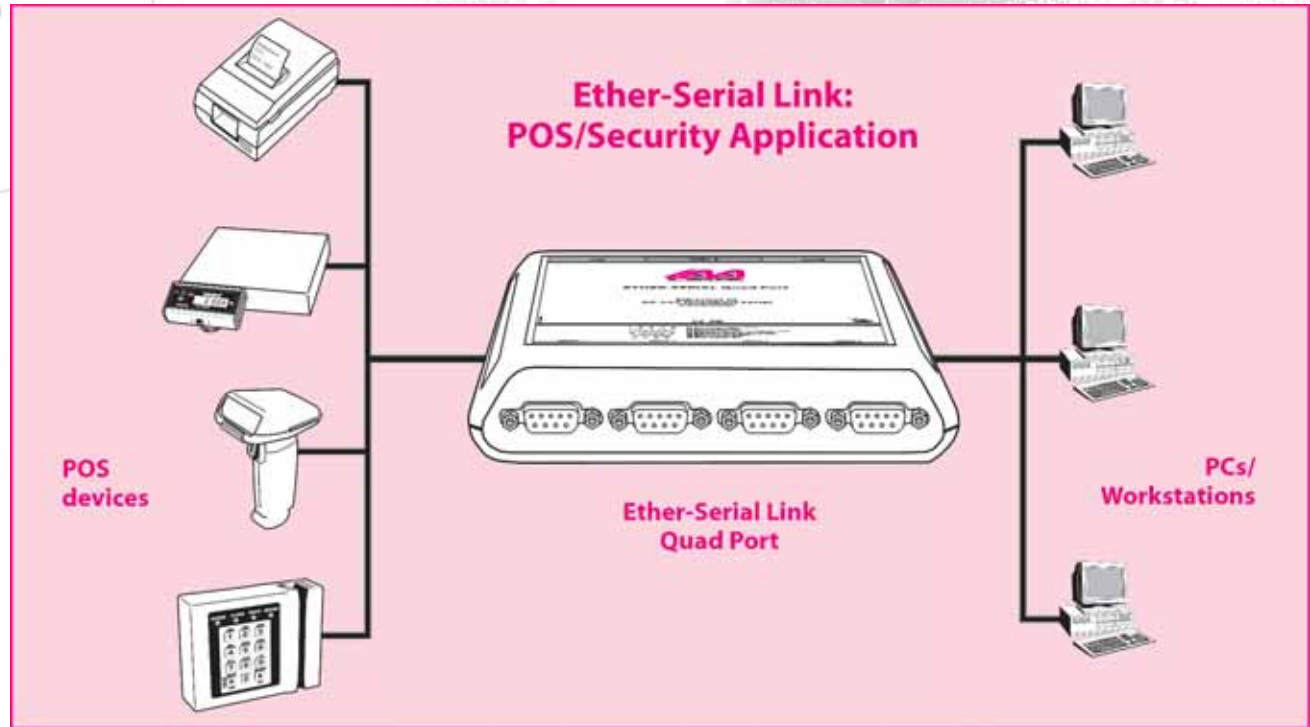
Lava's Ether-Serial Links are simple to install, configure, and control. Lava's unique *Lava Discovery Protocol* runs on all Lava Ether-Serial Links, making them essentially "Plug and Play Ethernet" devices. Your computer sees Ether-Serial Link ports precisely as if they were internal ports in your computer.



Ether-Serial Quad Port

Ether-Serial Link Marketplaces

- POS Systems
- Security Systems
- Industrial Automation
- Remote Device Management
- Building Automation
- Residential Automation
- Medical Device Monitoring



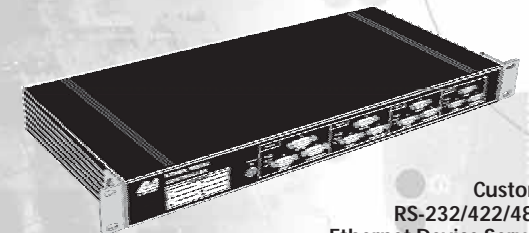
Ether-Serial Link Benefits

- Network RS-232 serial devices
- Make devices available to multiple users
- Manage multiple serial devices from a single PC
 - Eliminate long dedicated serial runs
- Stop using costly PCs as dedicated serial port servers
 - Manage serial devices from anywhere
- Eliminate long-distance phone-modem charges



Ether-Serial Dual Port

Lava Built-to-Order Hardware



Custom RS-232/422/485 Ethernet Device Server for Retail POS Application

When products are not available off the shelf, Lava can customize an existing design or create a new board from the ground up. Whatever your POS needs: parallel, RS-232, RS-422, RS-485, USB, IEEE 1394 or Ethernet, Lava can handle the challenge.

Lava is the ideal partner for this kind of work: our factory has dual high speed board assembly lines, ensuring dependable manufacturing capacity. We are capable of large volume manufacturing, short production runs, and quick turnarounds on work. Engineering, manufacturing, and product testing are all carried out at our Toronto, Canada headquarters, making prototyping and testing boards quick and cost-effective.