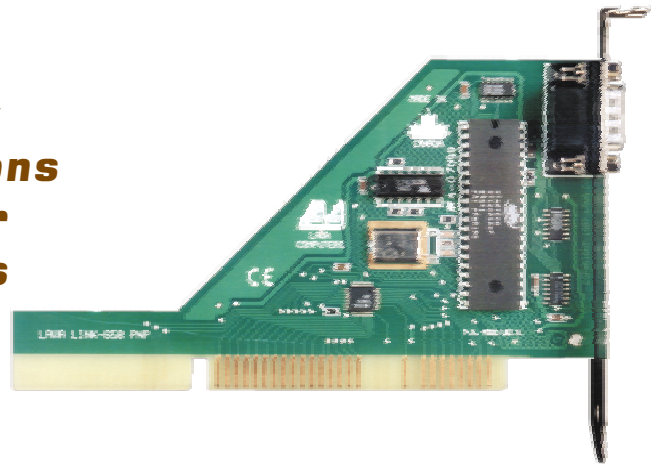


LAVAPORT-PnP

Link 650-PnP

**Plug-n-Play
Communications
Accelerator
for Windows**



Features:

- *Fully compliant with ISA Plug and Play Specification for easy jumperless installation*
- *Single 9-pin Ultra High Speed 16650 UART serial port - maximum baud rate: 460.8k bps*
- *Integrated 32-byte FIFO buffer with software configurable Tx/Rx triggers*
- *Automatic configuration for next available COM address & IRQ level*
- *100% compatible with all 56K external modems: including those supporting 230.4k Bps*
- *100% compatible with all ISDN external terminal adapters*
- *Ships with drivers for Windows 3.1/3.11, Windows95 & Windows NT*
-



LavaPort-PnP (LavaPort-650 Plug-n-Play)

The LavaPort-PnP adds the ease of Plug-n-Play to the superior performance of the LavaPort Serial Communications Accelerator technology.

The LavaPort-PnP uses the 16650 [UART](#) incorporating a 32-byte [FIFO buffer](#) - twice the size of a standard 16550 UART.

The LavaPort-PnP Windows drivers are capable of handling that buffer efficiently. Unlike a 16550 UART port, where the CPU must verify the buffer status each time it loads a byte into the UART, the LavaPort-PnP allows the CPU to send & receive burts of data from the port without error.

Unlike a serial port with a 16550 UART, the LavaPort-PnP is capable of detecting [flow control](#) signals without intervention from the CPU.



General Specifications: LavaPort-PnP

- Single 9-pin Ultra High Speed 16650 UART serial port - maximum
baud rate: 460.8 Kbps
- Integrated 32-byte FIFO buffer with software configurable [Tx/Rx](#) triggers
- Automatic Plug-n-Play configuration
- 100% compatible with all [ISDN](#) external terminal adapters
- 100% compatible with all 56K and V.34 external modems; including those
supporting 230.4 Kbps
- Ships with drivers for Windows 3.1x, WFW, Windows 95, Windows NT
- Recommended for use with PnP compliant motherboards and PnP
compliant operating systems
- Designed & manufactured in Canada
- Lava Lifetime Warranty

Technical Specifications: LavaPort-PnP

- Overall length: 161 mm
- Depth at back: 91 mm (towards rear of computer);
- Unseated depth: 82 mm
- Depth at front: 22.5 mm (towards interior of computer)
- Unseated depth: 13 mm
- Mass: 58 g
- RS-232C Serial Interface
- Frequency: 7.3728 MHz
- Signal degradation*: 15 m at 460.8 Kbps, 20m at 115.2 Kbps, 25m at 57.6 Kbps

- Operation temperatures: 0°-70°C (Commercial ranges)
- Maximum humidity: 90% at STP
- Input impedance: 15 ohms
- Infant Mortality**: 0.137% (average for all Lava products)
- CSA compliant, FCC compliant, CE marked

* Signal degradation increases (ie: maximum distances decrease) if DTE and DCE do not share a common ground, or if there is high line noise. Line noise is greatly reduced with a low capacitance cable. The specification for RS-232C serial communications allows for transmission up to 15m at 20 Kbps.

** A calculation of infant mortality is used, rather than MTBF. Mean Time Between Failures is more correctly restricted to mechanisms with moving parts.