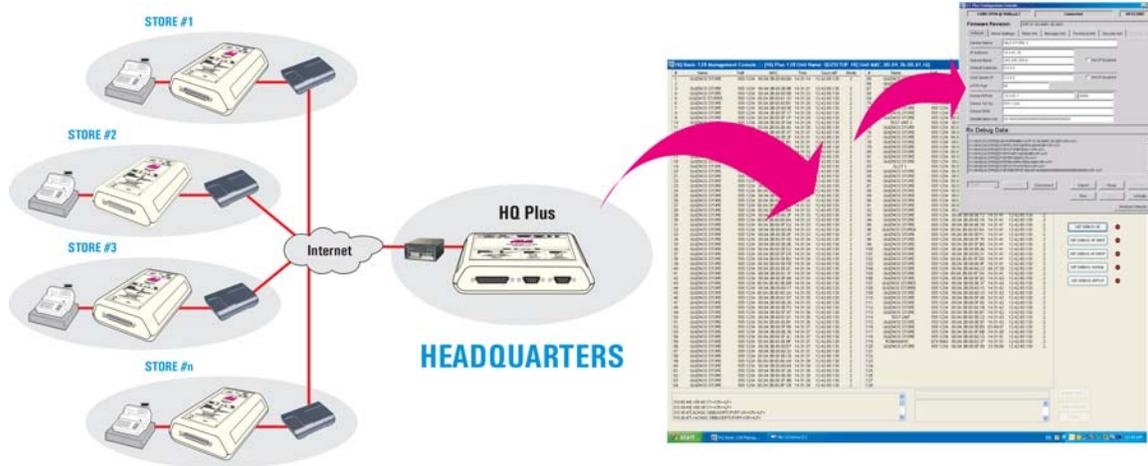# LAVA HQ-ST Plus

Headquarters-to-Store Internet polling for ECRs and POS stations

LAVA: The Source for Ports

See all your stores from your head office!

LAVA HQ-ST Link:

Connect ECRs and POS stations to head-office polling software over IP, with no need for store router configuration!

More **FLEXIBLE** than FTP

More **SECURE** than a VPN

More **COST-EFFECTIVE** than static IPs

COST EFFECTIVE

- minimal to no installation time
- no static IP address needed at store
- no modem, phone line, long distance costs

EASY TO USE

- no router configuration at store
- no need for any access to store router
- transparent to existing ECRs, POS stations, routers, LANs, computers
- transparent to existing polling applications

ROBUST

- no Windows OS needed at store or head office
- ST units will restart and reconnect to HQ automatically

FLEXIBLE

- store ECRs can be remotely managed (with new pricing updates, for example)
- ST units can be set up using a number of methods:
  - through the ST unit serial port
  - using HTTP at store
  - at head office
  - using a set-up server

RELIABLE

- no need to have a phone line available for polling access

SCALABLE

- works regardless of number of remote locations
- ST units' firmware remotely upgradable

FAST

- IP connection faster than modem dialing

CLEAR FEEDBACK

- HQ-Basic shows all live connections; which stores are up, down

SECURE

- HQ-ST authentication codes
- no router holes (port mappings) at store
- HQ units only talk to ST units
- ST units only talk to HQ units
- resistant to denial-of-service attacks
- head office network is not opened to store (as in the case of a VPN)
- store unit can be activated to make store tampering impossible
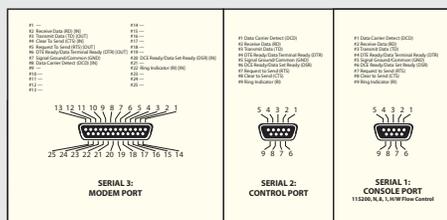- no passwords

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LAVA HQ-ST Link

HQ Plus Unit

Features

- Three RS-232 serial ports supporting up to 115.2 kbps throughput per port: console port (DB-9F), control port (DB-9F), modem port (DB-25F)
- Console port outputs connection data from ST Plus units in the field
- Control port supports remote HQ Plus monitoring and control
- Modem port sends polling requests from polling software to ECR/POS
- Includes HQ-Basic monitoring application (Windows)
- Power supply included

Specifications

Serial port pinouts:

Power input: 12-29 VDC6VA
Configuration: HTTP
Weight: 16.75 oz. [475 g]
Dimensions: 6.75 in x 6.5 in x 1.5 in [171 mm x 165 mm x 42 mm]

ST Plus Unit

Features

- Single RS-232 DB-25F serial modem port supporting up to 115.2 kbps
- Modem port connects to ECR or POS station serial port
- Includes serial port configuration application (Windows)
- Power supply included

Specifications

Serial port pinouts:

Power input: 9-29 VDC
Configuration: Serial port, set-up server, or HTTP configuration
Weight: 8.8 oz. [250 g]
Dimensions: 5 in x 3.5 in x 1.5 in [127 mm x 88.9 mm x 42 mm]

About LAVA

Headquartered in Toronto, Canada, LAVA Computer MFG Inc. designs and manufactures serial and parallel I/O boards and Ethernet-to-serial device servers that are widely used in the Point of Sale, Kiosk, Gaming, Industrial Automation, Security and Access Control industries. With well over a million LAVA products built into workstations, servers, retail POS systems, and industrial computers since 1984, LAVA I/O boards and Ether-Serial Links are trusted by resellers, distributors, OEMs and system builders in over 47 countries worldwide. Designed for lifetime performance, each LAVA connectivity link is individually tested and covered by the LAVA Lifetime Warranty.
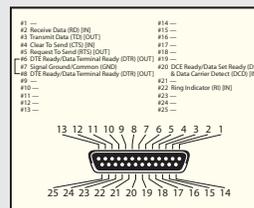
Connect Simply

Rev. B00