

• **V.35 WAN Router or Ethernet Bridge** •



IP•Express V.35 is a Wide Area Network solution that bridges Ethernet Packets or routes the Internet Protocol through a High Speed **V.35** WAN interface that can be clocked at 2.048 megabits. The **V.35** WAN port supports Point to Point and Frame Relay Wide Area Networking Protocols with 24/7 proven interoperability.

- Branch Office Connections • Shared Internet Access
- Education District Networking • Multimegabyte File Transfers
- Ethernet to V.35 Conversion

Bridge

The **IP•Express V.35** in Bridge mode, is 100% protocol independent. Bridging TCP/IP, DecNet, NetBEUI, or any Ethernet protocol across a synchronous serial V.35 WAN interface.

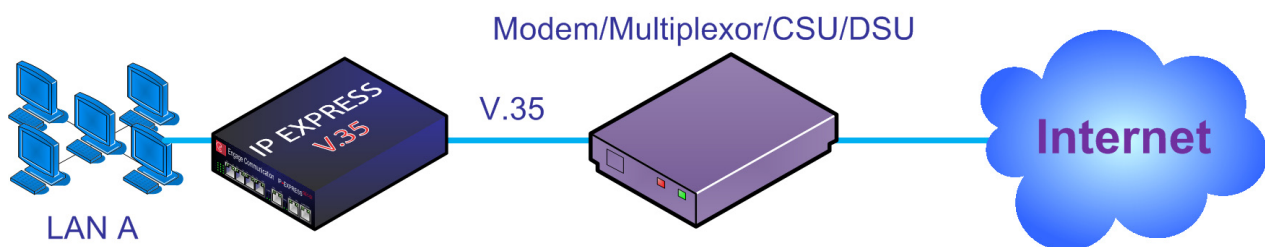
Router

The **IP•Express V.35** in Route mode, fully complies with Internet Protocol routing for high performance Branch Office connectivity.

• **V.35 Branch Office WAN** •



• **V.35 WAN Router Internet Access** •



• WAN Router/Bridge with a High Performance V.35 Interface •

Network Security is provided with Full On Source, Destination Address; Port and Flag IP Packet filtering. Interconnectivity is able to be selectively controlled at the network, device and application layers.

Management of the **IP•Express V.35HS** is accomplished with a Command Line Interface that is accessed through a Console, an SSH or Telnet connection. Templates of the most common configuration provide for an Edit and Paste configuration. SNMP MIB I and II support is a standard feature.

Rack Mount Kit

The IP-Tube products are easily installed in 19" and 23" racks with the Rack Mount Kit. Easy access to both front and rear sides facilitates technician maintenance procedures.

IP•Express V.35 Technical Specification

LAN Network Interface:

- 10/100 BaseT Ethernet Port
- Auto-negotiate or Configured Speed/Duplex

LAN Network Protocols Supported:

- IP, TCP, UDP, RIP, ICMP
- IP Multicast support

WAN Network Interfaces:

- One V.35 DTE

V.35 Specifications:

- DTE DB25 Female
Requires Adapter Cable to 34 Pin Male M-Block
- 2.048 Megabits per second clocking rate

WAN Network Protocols Supported:

- PPP (RFC 1548, RFC 1332, RFC 1334, PAP)
- Frame Relay (ANSI ANNEX D, LMI, RFC 1420)

Management:

- Secure Socket Shell - SSH
Diffie-Hellman Group1/14 key exchange and strong integrity checking via MAC SHA1/SHA1-96 with Cipher AES-128 and 3DES and DSS and OpenSSH public key format
- Telnet support with Edit and Paste Template Files
- Console Port for Out of Band Management
- SNMP support (MIB I, MIB II)
- Remote configuration, monitoring, & reset

Routing Protocols Supported:

- RIPv1, Static

TFTP Online Upgrade Capable

- Fully operational during upgrade

Network Security:

- Full On Source, Destination Address; Port and Flag IP Packet filtering
- Network, Device and Application Layers.

Dimensions:

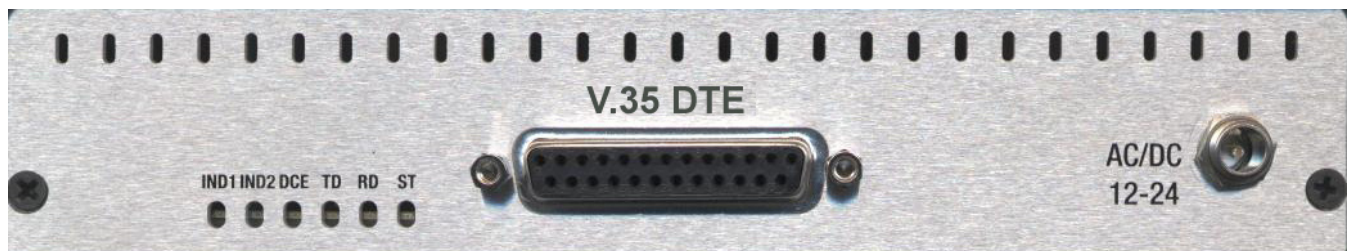
- 9" (L) x 7.3" (W) x 1.50" (H)

Regulatory:

- Safety -IEC60950
- EMC - CFR 47 Part 15 Sub Part B:2002
EN55022:1994+A1&A2
EN55024, ICES-003 1997
CISPR 22 Level A
- CE

Power:

- Locking Power Connector
- 12-24 VDC 1.0A
- Ships with Universal Adapter
- Optional -48V 0.25 Amp
- Hot Standby with 2nd Power Module



How to Order — IP•Express V.35

Part No.	Description	Notes
076-1V35	IP•Express V.35	Base Model
Power Options		Specify as suffix
Standard	10/30 VDC ADAPTER with IEC connector	DC Adapter 100/240 50/60 specify Power Cord
094-0930	Cable Kit for wiring DC input	9V-30VDC input - 10 Feet with Lugs
-N48VDC	Power Supply Module Negative 48 Volt DC	Isolated Negative 48 Volt Power
-RACKMNT	19" Wide Rack Mount Brackets	Enclosure Nut Serts Installed