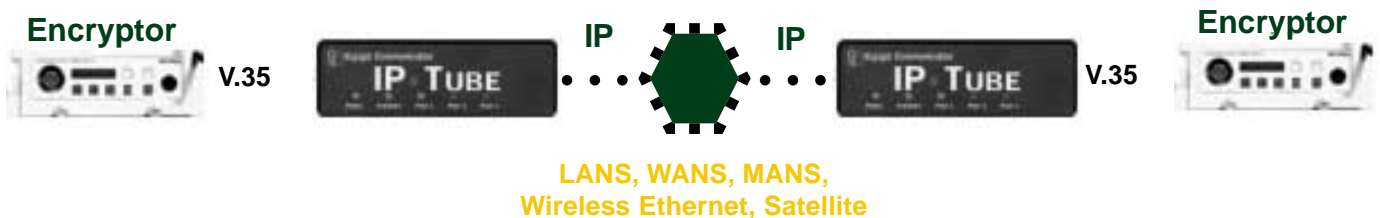


- Encrypted Data Over IP •
- Transparent Bandwidth Regulated IP Tunnel •

The **IPTube-V.35** encapsulates synchronous serial data from Data Terminal Equipment such as Encryptors, Terminal Servers, Video Codecs, WAN Routers into IP packets. The IP connection provides for the transparent interconnection of Data Terminal Equipment via LANs, WANs, MANs, Satellite and Wireless Ethernet. The size and frequency of the IP packets can be set to bit rates from 2.4 Kilobits per second to 2.048 million bits per second with N times 2.4K, 56K and 64K clocking.

### Encrypted Data Over IP

**IPTube-V.35** provides for the leveraging of existing Communications and Information Security (COMSEC and INFOSEC) products, such as KIV7s. Secure electronic communication, high-grade encryption and decryption equipment that is being used in space and other sensitive digital communication environments can be interconnected over IP services. KIV 7 Data over IP with the **IPTube-V.35** is a very economical solution that leverages a proven installed base. Enterprises interconnect Encryptors over flexible bandwidth intranet, LAN, Metropolitan-Area Network, WAN, or Wireless Ethernet.



### V.35 Synchronous Serial Data Over IP

- Transparently Converts Circuit to Packet
- Exploits efficiency and flexibility of IP Networks
- Return on investment measured in weeks

### WAN Data Over IP

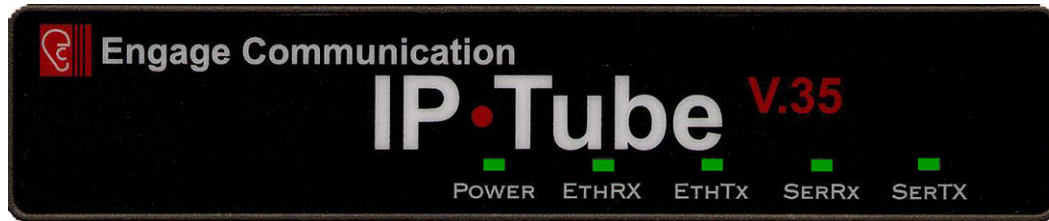
**IPTube-V.35** provides a transparent bandwidth regulated IP Tunnel for interconnecting remote Networks. WAN Protocols, such as PPP and Frame Relay, that utilize HDLC framing are encapsulated with HDLC Over IP. Broadband Service providers are able to transport Enterprise Wide Area Network connections with inband management of the Committed Information Rates. The **IPTube-V.35's** IP Tunnel can also be utilized as a secondary path for fault tolerant mission critical applications. WAN security provisioning, such as firewalling, is maintained.



# IPTube•V.35

## Management

**Management** of the **IPTube-V.35** is accomplished with a Command Line Interface that is accessed through a Console 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.



## Support

Engage Provides Free Technical Support. Online Support Available: support@engagecom.com. TFTP Software Upgrades, CLI Configuration Templates

## Technical Specifications

### LAN Network Interface:

- 10BaseT Ethernet

### LAN Network Protocols Supported:

- **TCP/IP** (IP, TCP, UDP, ICMP, BOOTP)

### V.35 Interface:

- 2.4k to 2.048 Megabit per second data rate
  - N times 2.4K Clock Mode
  - N times 56K Clock Mode
  - N times 64K Clock Mode
- DCE Standard 25 pin
- DTR Controlled Transmission
- CD Reception Indicator

### V.35 Over IP Protocol:

- TDM Over IP - TDMOIP
- Circuit Extension Services Over IP - CESOIP
- HDLC Over IP - HDLCOIP
- Configurable Packet Size

### Quality of Service:

### TFTP Online Upgrade Capable (FLASH ROMs)

- IPTube is fully operational during upgrade

### Management:

- 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

### Power:

- 24VAC, 1.0A
  - Optional 12-36 VDC 1.0A
  - Optional -48V 0.25 Amp
- International Adapters Available

### Dimensions:

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

## Back Panel AC

V.35 DCE Interface for connection to Synchronous Serial Interfaces  
- Encryptions, WAN Routers, Video Codecs  
DB25 to V.35 Adapter Cable Required

Console Port Connector

- RJ 45 to DB 9 Male Adapter provided



Standard 10BaseT Ethernet interface

15-30 Volts AC