

## • RS530 WAN Router or Ethernet Bridge •



**IP•Express RS530 HS** is a Wide Area Network solution that bridges Ethernet Packets or routes the Internet Protocol through a High Speed **RS530** WAN interface that can be clocked at 16 megabits. The **RS530** 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 RS530 Conversion

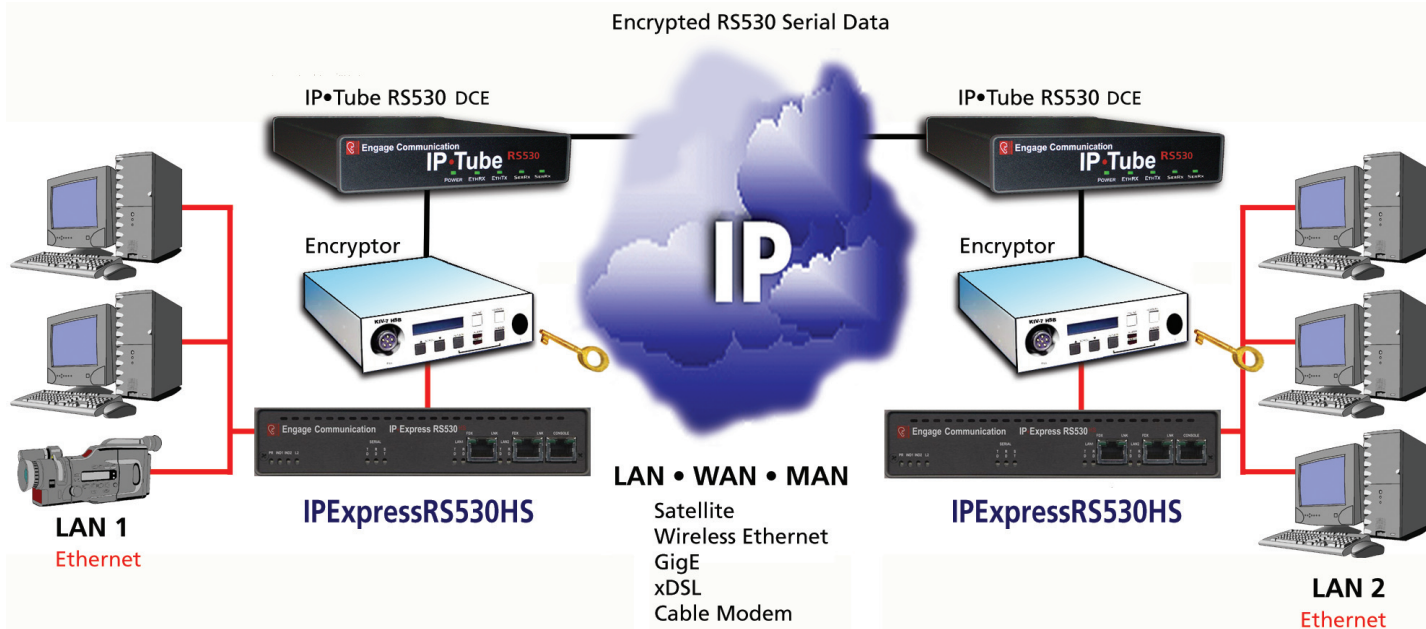
### Bridge

The **IP•Express RS530 HS** in Bridge mode, is 100% protocol independent. Bridging TCP/IP, DecNet, NetBEUI, or any Ethernet protocol across a synchronous serial RS530 WAN interface.

### Router

The **IP•Express RS530 HS** in Route mode, fully complies with Internet Protocol routing for high performance Branch Office connectivity.

## • Ethernet to RS530 Conversion for Encrypted Data Over IP Connections •



## • WAN Router/Bridge with a High Performance RS530 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 RS530HS** 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 RS530 HS 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 RS530 DTE

### RS530 Specifications:

- DTE Standard DB25 Female
- 16 Megabit 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:

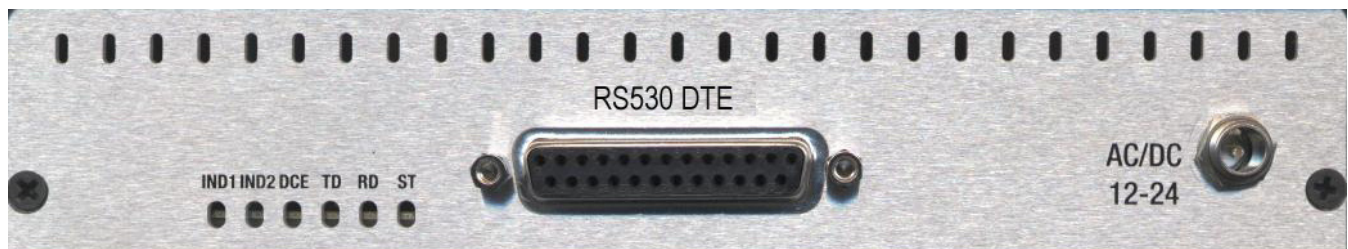
- 9" (L) x 7.3" (W) x 1.50" (H)

### 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 RS530 HS

Part No.	Description	Notes
076-1530	IP•Express RS530 HS	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