Engage Communication

IP·Tube E²

· LAN to LAN IP BRIDGE ·

The **IP·Tube E2** is used to interconnect Ethernet LANs through an IP network. Ethernet frames that are destined for a device located on the remote network are encapsulated into IP packets. The IP packets, with the encapsulated Ethernet frames, are sent to the IP address of the destination network's **IP·Tube E2** where the IP envelope is removed and the original Ethernet Frames are delivered to the destination network's Ethernet device.

Transparent Interconnect

The **IP·Tube E2** transparently monitors all the packet traffic on its internal LAN segment to determine whether the packets it receives are to be forwarded. The Ethernet MAC layer source addresses that are active on the internal LAN are stored in a filtering database. Packets with a MAC destination that do not match a MAC address entry for the receiving port are encapsulated in an IP packet that is forwarded to the remote network.

Legacy Protocols Over IP
Secure IP Tunnel
IP Bridge NetBEUI, IPX, AppleTalk, Decnet
Bridge Secure Applications

Legacy Protocols Over IP

Enterprises, Education, Government Agencies and Organizations use the **IPTube·E2's** tunnel to transport legacy LAN protocols, such as NetBEUI, IPX, AppleTalk and Decnet, over very cost effective IP only based services. Legacy applications that utilize non routable protocols are able to access services across an IP point to point connection.

Secure Communication

The IPTube·E2 provides a high level of security by only exchanging packets with the remote network. Additionally Ethernet Frames within the IP envelope must be addressed to specific Ethernet MAC addresses. Bridge secure applications that limit communication to IP addresses within the same subnet across an enterprise Intranet.

Network Security

Security is established with Full On Source, Destination Address; Port and Flag IP Packet filtering. Interconnectivity is selectively controlled at the interface, network, device and application layers.

Engage Communication • 9565 Soquel Drive, Aptos, CA 95003
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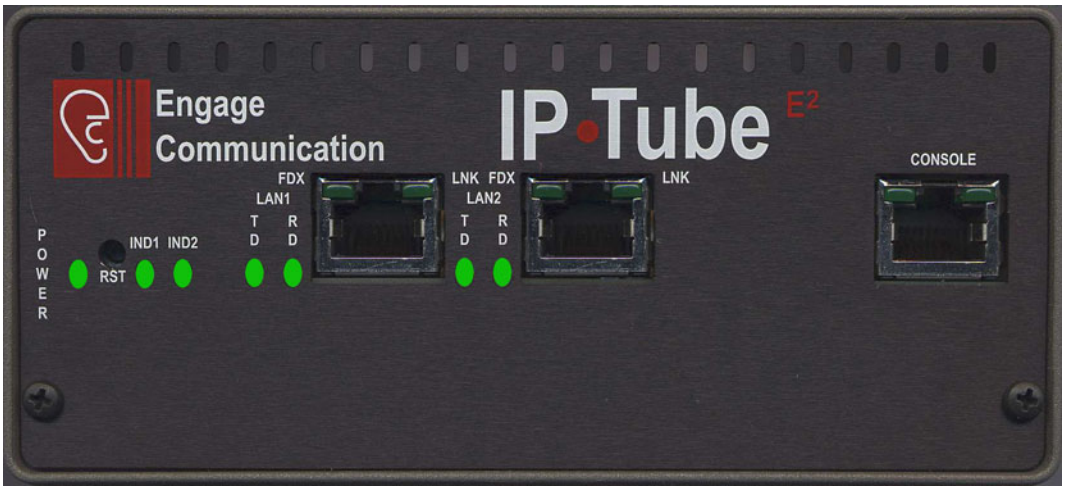
IP•TUBE E 2



Management

The **IP·Tube E2** management is accomplished with a Command Line Interface that is accessed through a Console or Telnet connection. Templates of the most common configurations provide for an Edit and Paste configuration. SNMP MIB I and II support with interface status change traps.

Technical Specifications

LAN Network Interfaces:

- Two 10/100 BaseT Full/Half Ethernet
- Autonegotiation or Configurable Speed and Duplex

LAN Network Protocols Supported:

- IP, TCP, ICMP

Power:

- 12-24 VAC/VDC 1.0A
  International Adapters Available
- Optional -48V 0.25 Amp
- Hot Standby with 2nd Power Module

TFTP Online Upgrade Capable (FLASH ROMs)

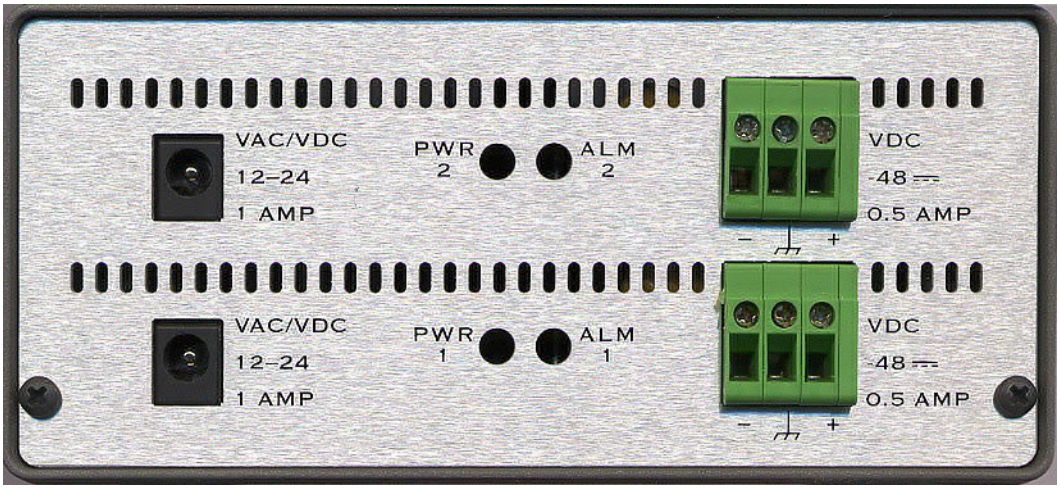
- IPTube·E2 is fully operational during upgrade

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

Dimensions:

- 14" (L) x 5.5" (W) x 2.50" (H)



Rear Panel shown for Hot Standby Negative 48 Model

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