IPLink™ Router Products

Multi-Megabit Inverse Mux

Patton IPLink™ Model 2888

The Patton® IPLink™ Multi-Megabit Inverse Multiplexer facilitates the bonding of up to 4 T1/E1 ports into a transparent high-bandwidth WAN link to feed the most bandwidth hungry NGN applications.

4-port T1/E1 Inverse Mux

Using ML-PPP bond from 2-4 T1/E1 ports to create a high bandwidth WAN link over TDM.

Transparent to Transport Protocol

With support for Jumbo Ethernet Frames, the inverse mux transparently passes VLAN trunks, MPLS stacked labels, and more.

Dual Gigabit Ethernet Ports

With Dual 10/100/1000, auto-MDI ports easily connect to any LAN infrastructure.

End-to-end QoS

Inspect, set, and preserve VLAN priority to maintain end-to-end QoS.

VLAN Trunk Extension

Tag untagged traffic, preserve VLAN QoS, or simply transparently forward VLAN traffic.

VLAN Tagging

VLAN tagging and processing is configurable on any T1/E1 channel or Ethernet port.

Easy Management

Easily manage the 2888 router via an HTTP/web interface, a CLI accessible via the VT100 console or through Telnet/SSH, or via SNMP.

The Model 2888 Four-Port T1/E1 Multi-Megabit Inverse Multiplexer provides transparent L2 point-to-point high-bandwidth Ethernet/IP connectivity over TDM-based T1/E1 circuits. Dual 10/100/1000 Ethernet ports ensure easy connection to any LAN infrastructure.

In order to maximize the bandwidth utilization over the T1/E1 links, the Multi-Megabit Inverse Mux uses Multi-Link PPP to bond the individual circuits into one high bandwidth WAN link, guaranteeing minimal protocol overhead. Ethernet/IP traffic is transparently bridged over the link using PPP/BCP which adds minimal encapsulation overhead when compared to ATM.

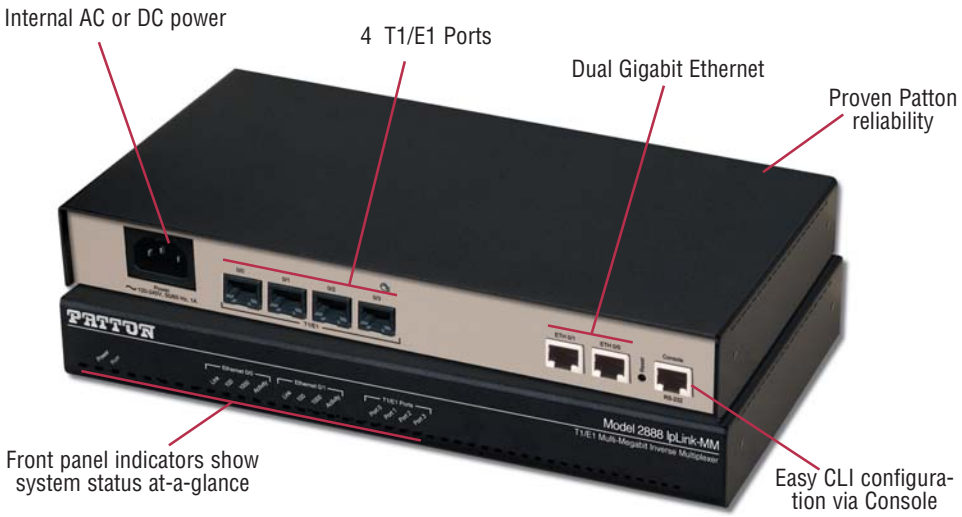
Key features make the Multi-Megabit Inverse Mux an ideal solution for VLAN trunk extension. The Inverse Mux supports IEEE 802.1p/Q VLAN tagging and priority. VLAN tagged traffic that is received on any of the Gigabit Ethernet interfaces is transparently transported over the WAN to the matching Inverse Mux on the other side. The VLAN priority bits are inspected and the QoS of the individual Ethernet frames are preserved end-to-end. The Multi-Megabit Inverse Mux likewise supports VLAN tagging of Ethernet traffic as well as rate limiting per VLAN ID.

ACLs allow Layer 3 filtering and Layer 3 based QoS of the VLAN and bridge connections. Filter by IP address, IP port or even protocol. Use the ACL to force an inspection of the ToS/DiffServ bits and preserve end-to-end QoS.

Special Rates Available Call for Details

The 2888 Model Series boasts easy installation, offering CLI configuration via Console/VT-100 or Telnet/SSH, HTTP web based management, and SNMP. Patton's series of high-speed access routers offer the versatility and reliability demanded for business-class applications at the most affordable price.

Visit www.patton.com for more information.



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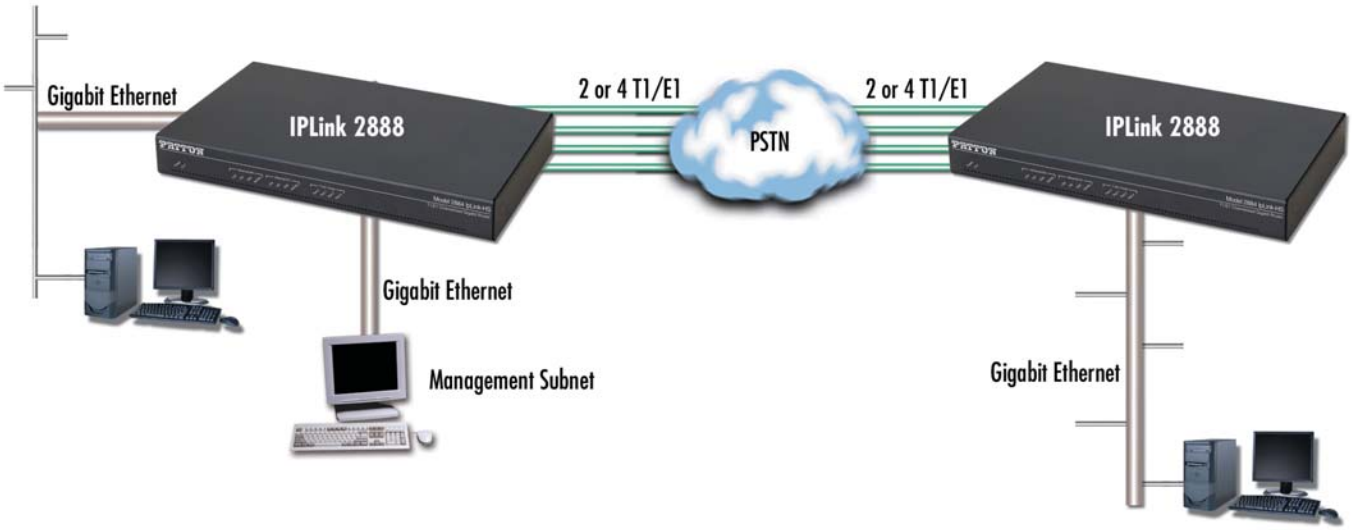
Typical Application

The IPLink Multi-Megabit Inverse Mux comes standard with Dual Gigabit Ethernet ports and is perfect for satisfying the need of bandwidth-hungry applications supporting Layer 2 bonding of T1/E1 WAN interfaces into high bandwidth logical ports.



Specifications

WAN ports	Four software-configurable channelized ports. E1 – G.703/G.704 with HDB3 and AMI encoding support. T1 – ANSI T1.403 & AT&T TR54016 with AMI coding/D4 framing or B8ZS coding/ESF framing.
Ethernet Ports	Two-port 10/100/1000Base-T (RJ-45 connector); auto-negotiating; half or full duplex operation with built-in MDI-X support for Jumbo Ethernet Frames (2072 current/9196 planned)
Management	HTTP/SNMP, Telne/SSH Ethernet, RS-232 Console Port, SYSLOG Client, Software upgrade via TFTP
Protocols	IP (RFC 741), TCP (RFC 793), UDP (RFC 768), ICMP (RFC 950), ARP (RFC 826); IGMP v1 and v2, Ethernet Bridging.; PPP/BCP, IEEE 802.1p/Q VLAN Tagging and Priority
Security	Password protected system management with a username/password for console and virtual terminal, Packet filtering firewall for controlled management access. ACL rule and profiles; SSH for secure remote access.
Power Supplies	Internal universal 100–240 VAC input (50/60 Hz). Less 15W power consumption.
Compliance	EMC Compliance: EB55022 and EN55024 Safety Compliance: EN 60950 FCC Part 15A, CE Mark, FCC part 68, CS-03
Environment	Operating temperature: 32–122°F (0–50°C) Humidity: up to 90% non-condensing
Dimensions	11 x 1.5 x 7 in. (280 x 39 x 180 mm)

Model Information

2888/2/UI Dual-Port, Dual Gigabit-Ethernet Router, internal 100–240 VAC power supply

2888/4/UI Quad-Port, Dual Gigabit-Ethernet Router, internal 100–240 VAC power supply

07M2888-DS5

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