



# 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.

### 2/4 port Channelized T1/E1

Support up to 124 PPP sessions with up to 4 channelized T1/E1 ports.

### ML-PPP Expands Bandwidth

Bind any number of channels or T1/E1 ports to create up to an 8Mbps WAN link.

### Dual Gigabit Ethernet Ports

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

### Per Flow QoS

Traffic rates are set through ACLs that shape and police VLAN and IP traffic.

### Stateful Firewall Inspection

Stateful firewall inspection is accomplished through ACLs that filter by source and destination IP address, IP port and protocol.

### VLAN Tagging

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

### Easy Management

Easily manage the 2884 router via an HTTP/web interface, a CLI accessible via the VT100 console or through Telnet/SSH, or via SNMP.

The Model 2884 Series T1/E1 Channelized Gigabit Routers are a family of multi-media routers that terminate up to 124 PPP channels as well as perform Layer 2 bonding of T1/E1 WAN ports with multi-link PPP. Dual Gigabit Ethernet ports ensure connection to any LAN infrastructure.

The IPLink Channelized Gigabit Routers offer pre-set priorities for voice and video traffic on a per port basis up to a user configurable bandwidth. QoS configurations ease the bandwidth management of ports and applications through the creation of QoS classes and profiles. Traffic can be shaped and policed to provide full QoS control over both the egress and ingress directions. ToS/DiffServ bits can be re-stripped to ensure network-wide QoS enforcement. VLAN priority bits can be used for QoS enforcement.

Stateful Firewall inspection of traffic is accomplished through the creation of Access Control Lists (ACLs) that enable the filtering of traffic

based on numerous criteria including source and destination IP address, port and protocol.

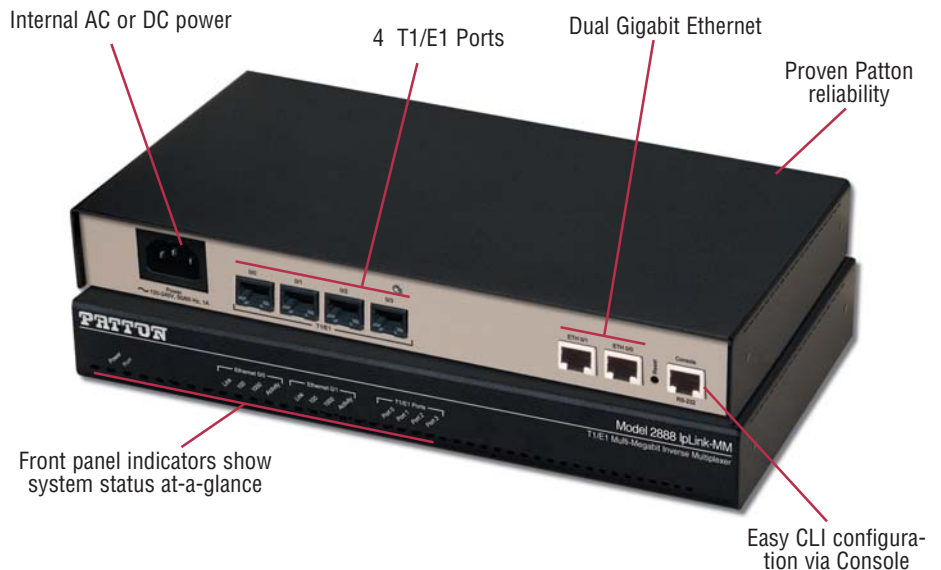
Logical and physical ports are selectable for bridging or routing. Advanced IP features such as NAT/NAPT and VLANs are likewise configurable on a per port basis. By supporting the latest version of PPP/BCP, the IPLink transparently negotiates the passing of VLAN traffic over PPP based WAN links. Bridged traffic can be tagged and prioritized according to user defined parameters.

The 2884 Model Series boasts easy installation, offering CLI configuration via Console/VT-100 or Telnet/SSH, and 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](http://www.patton.com) for more information.



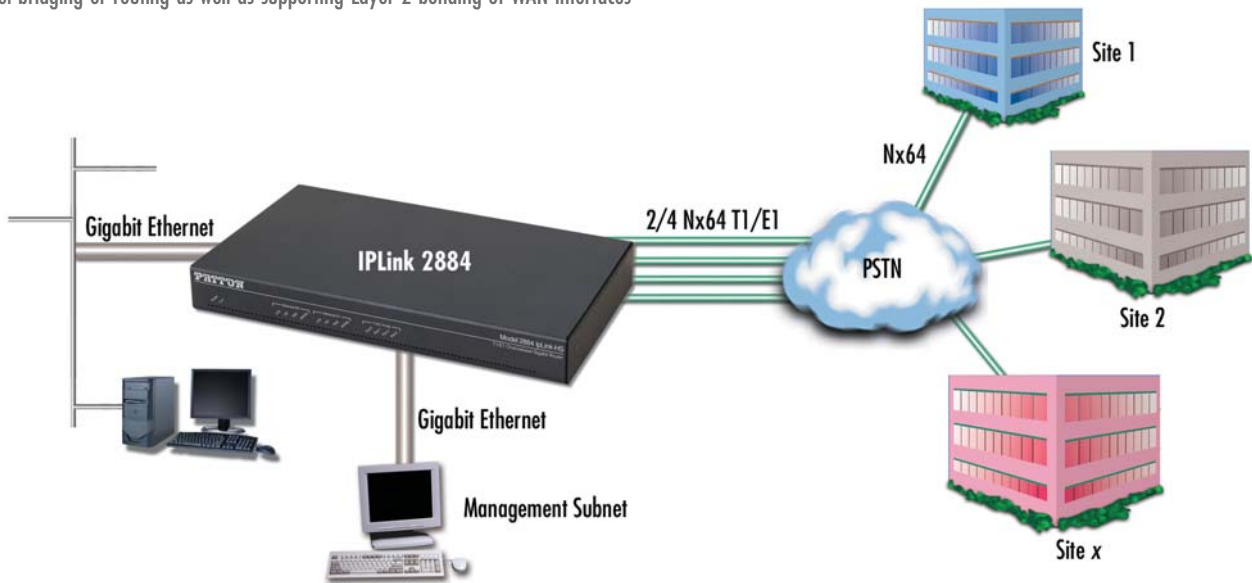
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## Typical Application

Available in two and four-port T1/E1 versions, the IPLink Channelized Gigabit Ethernet Router comes standard with Dual Gigabit Ethernet ports and maximizes the use of the up-link networks, minimizing the cost of deploying service by implementing per TDM channel bridging or routing as well as supporting Layer 2 bonding of WAN interfaces

into high bandwidth logical ports. For bandwidth hungry applications, traffic from both T1/E1 ports can be bonded together using multi-link PPP. For networks with many remote locations up to 124 remote sites can be supported with PPP.



## Specifications

<b>WAN ports</b>	Two or 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.	<b>Security</b>	Logging of session, Password protected system management with a username/password for console and virtual terminal, Packet filtering firewall for controlled access to and from LAN/WAN. ACL rule and profile creation; SSH for secure remote access.
<b>Ethernet Ports</b>	Two port 10/100/1000BaseT (RJ-45 connector); auto-negotiating; half or full duplex operation with built-in MDI-X	<b>Power Supplies</b>	Internal universal 100–240 VAC input (50/60 Hz). Less 15W power consumption.
<b>Management</b>	HTTP/SNMP, Telnet/SSH Ethernet, RS-232 Console Port, SYSLOG Client, Software upgrade via TFTP	<b>Compliance</b>	EMC Compliance: EB55022 and EN55024 Safety Compliance: EN 60950 FCC Part 15A, CE Mark, FCC part 68, CS-03
<b>Protocols</b>	IP (RFC 741), TCP (RFC 793), UDP (RFC 768), ICMP (RFC 950), ARP (RFC 826). IP Router with RIP (RFC 1058) and RIPv2 (RFC 2453), integrated DHCP Server (RFC 2131) with selectable IP leases and MAC/IP pairings; IGMP v1 and v2, Ethernet Bridging. NAT/NAPT with integrated application support, MultiNat with 1:1 mapping, Many:1, Many:Many mapping, NAT Port/IP redirection and mapping; PPP/BCP, PP/PCP; IEEE 802.1p/Q VLAN Tagging and Priority	<b>Environment</b>	Operating temperature: 32–122°F (0–50°C) Humidity: up to 90% non-condensing
		<b>Dimensions</b>	11 x 1.5 x 7 in. (280 x 39 x 180 mm)

## Model Information

**2884/2/UI** Dual-Port, Dual Gigabit-Ethernet Router, internal 100–240 VAC power supply

**2884/4/UI** Quad-Port, Dual Gigabit-Ethernet Router, internal 100–240 VAC power supply

PE-Inalp Networks Private Ltd  
An Associate of  
**PATTON**<sup>®</sup>  
Electronics Co., USA

Old No. 14 and New No.6,  
Brahadambal Road,  
Nungambakkam High Road  
Chennai: 600 034, India  
Phone **+91 44 45490395/6/7**  
Fax **+91 44 4549.0394**  
Email **sales@patton.co.in**  
Web **www.patton.co.in**

Patton-Inalp Networks AG

**PATTON**  
inalp networks

Meriedweg 7  
CH-3172 Niederwangen  
Switzerland  
Phone **+41 (31) 985 25 25**  
Fax **+41 (31) 985 25 26**  
E-mail **sales@inalp.com**  
Web **www.inalp.com**

Patton Electronics Co.

**PE PATTON**  
Electronics Co.

7622 Rickenbacker Drive  
Gaithersburg, Maryland 20879  
USA  
Phone **+1 301 975 1000**  
Fax **+1 301 869 9293**  
E-mail **sales@patton.com**  
Web **www.patton.com**

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