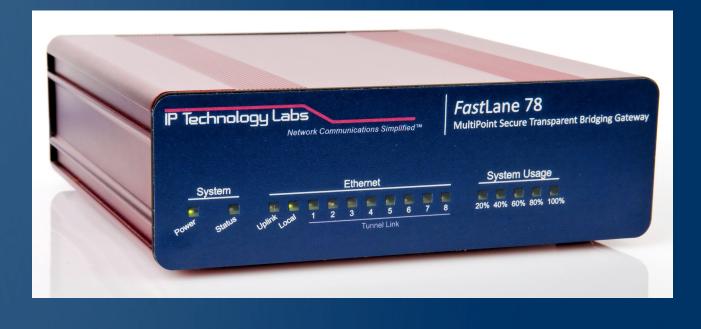# IpTL 78 *Fast*Lane™ MultiPort Secure Transparent Bridging Gateway
Transparently & Securely Connect and Tunnel Eight Ethernet LANs over the Internet

Connect up to 8 remote clients to this integrated central site solution. As a single management point, the IpTL 78 provides the connectivity, control, and configuration for multisite networking.

- **Connect 8 Remote Clients Tunnel with this Central-Site Solution**

- **Transparently and Securely Bridge Remote Ethernet LANs over the Internet or any IP Network.**

- **Transparent to <u>all</u> LAN protocols including VoIP, H.264, IPTV and Multicast IGMP traffic.**

- **Provides seamless access to all computing resources. Windows, Linux, Apple. Unlimited Users/Hosts.**

- **AES-128/256 encryption & per-unit certificates.**

- **Configurable QoS, Filtering, and Firewall.**

- **VPN Tunnel Compression for higher end-to-end bandwidth.**

- **Passes VLAN tagged traffic including Cisco ISL.**

- **Single Port Server side configuration.**

IP Technology Labs
Network Communications Simplified™

IP Technology Labs LLC
3470 Olney-Laytonsville Rd. #313
Olney Maryland USA
T: +1 301 570 6611
F: +1 301 570 8049
W: IpTechnologyLabs.com
E: marketing@IpTechnologyLabs.com

Device Overview

- Compact metal enclosure; cool low-power & fan-less operation.
- 17 front panel status LEDs: System, Ethernet, Load/Usage.
- Transparent tunneling of Ethernet frames from Ethernet-LAN-to-Ethernet-LAN with full AES encryption and compression.
- Auto-discovery of tunnel end-points through NAT/Routers/Proxys.*
- Unlimited host support—no network host limitation.
- Point-to-Point, full-duplex, transparent operation.
- User configurable voluntary or compulsory tunnel.
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and Tunnel.
- Standard 1 year warranty. Extended years warranty available.

Network Interface

- 10/100/1000 802.3TX Ethernet, Shielded RJ45 jack; one uplink (WAN), three local switched (LAN). Any interface can be used to establish VPN.
- Auto-sensing full- and half- duplex operation on all ports.
- 802.af POE on Uplink port for powering unit without adapter.

Filtering & Quality of Service

- User configurable L2 and L3 filters on IP/Port or MAC Address. Statefull inspection processing and filtering with new, established, or related operation. Quick access buttons for immediate config.
- User defined L2 and L3 QoS , CBQ or HBT, with application/IP or host/MAC filtering on any interface; ACL filtering on MAC address, source and destination address, and protocol type.
- NETBIOS filtering low/pass/block/Deny of Windows broadcasts/Netbios data on a per tunnel basis.
- Filter logging for status; front panel indictor flashes on firewall event.

Management & Configuration

- Plug-and-Play auto-discover and configuration or manual point-to-point configuration.
- Integrated battery backed-up real-time clock.
- Superfast internal web server and control with selectable HTTP/HTTPS.
- Telnet/SSHv2 CLI option; EIA-232 DTE DE-9F Console port.
- SNMP v1 MIB II; User selectable enable/disable, SNMP Variables, Tunnel Status & Tunnel Octet In/Out, Ethernet Status & Ethernet Octet In/Out.
- User Definable IP Address and Subnet Mask and Port for management.
- DHCP client for automatic address with simultaneous secondary IP.
- User selectable enable/disable Configure/Monitor/Change all attributes.
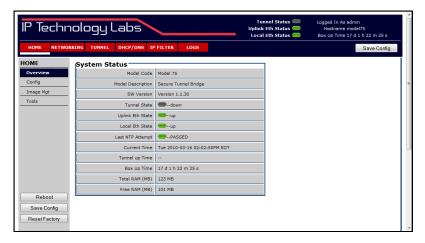
Operating

- Desktop mounting. Wall mount rails optional.
- 48 VDC @ 250mA power input via locking 2.1mm coax barrel
- POE input on Local (WAN) Ethernet.
- Operating Temperature: 0° to 50°C Humidity: up to 90% non-condensing

Connectivity

- Point-to-Multipoint operation—Auto-provisioned units will automatically connect, configure, and bridge.
- SSL tunnels via Port 1194 with AES-128 CBC and -256 bit key encryption default (selectable DES-EDE3-CBC,3DES-CBC, Blowfish-CBC) Other encryption options available.
- Key with X.509 PKI certificates. Username/Password option for tunnel authorization. Separate per-tunnel password for link auth.
- Heartbeat for tunnel keep-alives; per-tunnel link indication LED.
- Auto-learning with 8,192 MAC address table and unlimited HOST support between LANs.
- User selectable voluntary/compulsory and tunnel gateway modes through filters. Compulsory dictates all traffic will go through tunnel. No local-to-uplink access. Voluntary tunnel will only ARP for tunnel subnet traffic/hosts. Default Internet access via local router.
- ACL's present to permit/allow tunnel traffic to emit to local LAN.
- LZO lossless compression with adaptive compression algorithms.
- Tunnel/Gateway Mode intercepts traffic for the remote LAN and tunnels only that traffic (subnet or MAC defined) to the remote.
- Configurable TCP/UDP tunnel with single port for all control & payload. No-configuration NAT and Firewall traversal.*
- DHCP client and server for WAN side and/or LAN side.
- Integrated DNS server with auto remote learning and DHCP lease issue registration. Each end of link learns local DNS and auto-sharing between end-points.
- Integrated DynDNS support.
- NTP Client.
- Bridge tunnel support jumbo Ethernet frames including VLAN and Cisco ISL frames sizes. Default MTU 2,000.

Regulatory Compliance & Certifications

- NRTL Safety: UL 60950-1, CSA C22.2 No. 60950-1
- AS / NZS 3260, TS 001
- Emissions: FCC Part 15 Class B, EN 55022A
- CE Mark, RoHS, WEEE

IP Technology Labs

Tunnel Status	Logged In As admin
Uplink Eth Status	Hostname model75
Local Eth Status	Box Up Time 17 d 1 h 22 m 25 s

HOME | NETWORKING | TUNNEL | DHCP/DNS | IP FILTER | LOGS | Save Config

HOME
- Overview
- Config
- Image Mgt
- Tools

System Status

Model Code	Model 75
Model Description	Secure Tunnel Bridge
SW Version	Version 1.1.30
Tunnel State	--down
Uplink Eth State	--up
Local Eth State	--up
Last NTP Attempt	--PASSED
Current Time	Tue 2010-03-16 02:02:50PM EDT
Tunnel up Time	--
Box Up Time	17 d 1 h 22 m 25 s
Total RAM (MB)	123 MB
Free RAM (MB)	101 MB

Reboot
Save Config
Reset Factory

Ordering Information

SKU: 10070-78-01   FastLane IpTL 78 Secure Tunneling Bridge and Ethernet VPN Security Gateway, Point-to-Point, quad 10/100/1000 Ethernet, Single unit, Local (server) only; POE power input only. External Power Supply ordered extra. Licensed as server for 8 remote clients. Use with any Model 70 Series remote client.

To learn more, contact your IPTL Representative, Authorized Reseller, or Sales Agent or visit our Web site at www.IpTechnologyLabs.com

IP Technology Labs

IP Technology Labs llc.
3470 Olney-Laytonsville Rd #313.
Olney Maryland USA
T: +1 301 570 6611
F: +1 301 570 8049
W: http://IpTechnologyLabs.com
E: marketing@IpTechnologyLabs.com