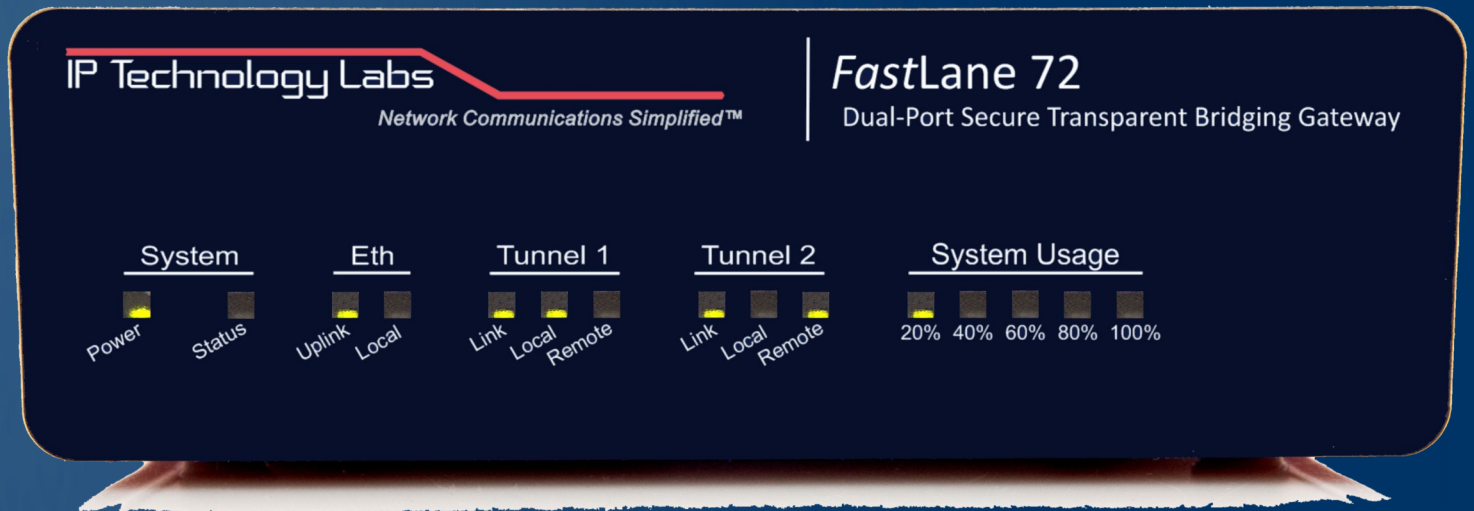


# IpTL 72 *FastLane*™ Dual-Port Secure Transparent Bridging Gateway

## Securely Mesh and Tunnel Two Network LANs over Multiple Internet Connections

The IpTL 72 enables distributed networks to work as one. With two separate tunnels each configurable as local or remote, the IpTL 72 can easily mesh multiple locations. Use xDSL, 3G, or Satellite IP and link your LANs over multiple transit networking facilities.



- Connect Two (2) Separate Networks with independent per-tunnel configurable client or server.
- Mesh and Transit multiple Networks Transparently and Securely over the Internet or any IP Network.
- Integrated Bridging allows access to all remote networks Even if the traffic is transitioning an intermediate connection.
- AES-128/256 encryption standard
- Transparent to all Ethernet LAN protocols including VoIP, H.264, and IPTV
- Unlimited Users/Hosts. Provides seamless access to all computing resources.
- Configurable QoS, Filtering, and Firewall on every Interface—Ethernet, Tunnel 1, or Tunnel 2

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.
- 15 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.
- Dual Point-to-Point bridged links, full-duplex, and transparent operation.
- User configurable voluntary or compulsory tunnels.
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and each 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 tunnels.
- 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 indicator 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

- Dual Point-to-Point operation with bridging between all interfaces. Including tunnel-to-tunnel, or any Tunnel-to-Ethernet
- SSL, HTTP, or HTTPS tunnels 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 keepalives; 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.
- LZ0 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.
- Integrated 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

The screenshot displays the IP Technology Labs web management interface. At the top, there is a navigation bar with tabs for HOME, NETWORKING, TUNNEL, DHCP/DNS, IP FILTER, and LOGS. The main content area is titled 'System Status' and contains a table of system information:

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

Below the table are buttons for Reboot, Save Config, and Reset Factory. The interface also shows a 'HOME' sidebar with links to Overview, Config, Image Mgt, and Tools. In the top right corner, there is a status bar indicating 'Logged In As admin', 'Hostname model75', and 'Box Up Time 17 d 1 h 22 m 25 s'.

## Ordering Information

**SKU: 10070-72-01** FastLane IpTL 72 Dual-Port Secure Tunneling Bridge and Ethernet VPN Security Gateway, Dual Point-to-Point Tunnel Connections independently configurable local/remote, quad 10/100/1000 Ethernet, Single unit, POE power input only. External Power Supply ordered extra. Use with any Model 70 Series remote client or server.

To learn more, contact your IPTL Representative, Authorized Reseller, or Sales Agent or visit our Web site at [www.IpTechnologyLabs.com](http://www.IpTechnologyLabs.com)

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**IP Technology Labs**

IP Technology Labs Ilc.  
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](mailto:marketing@IpTechnologyLabs.com)