# IpTL *Fast*Lane™ 770 Series Multiport Secure Ethernet Gateway
Connect, Secure, and Scale from 1 to 25 remote Ethernet Connections

The IpTL 770 Series provides a scalable concentration point for multisite or mobile users. Software Scalable from 1 to 25 connections the 770 Series provides the connectivity, control, and configuration for your multisite Voice, Video, Data networking requirements.   With fallback and hot-standby redundancy standard, the 770 Series delivers your application with the right amount of connections, future expandability, and the full power of IpTL's Trust & Control™.
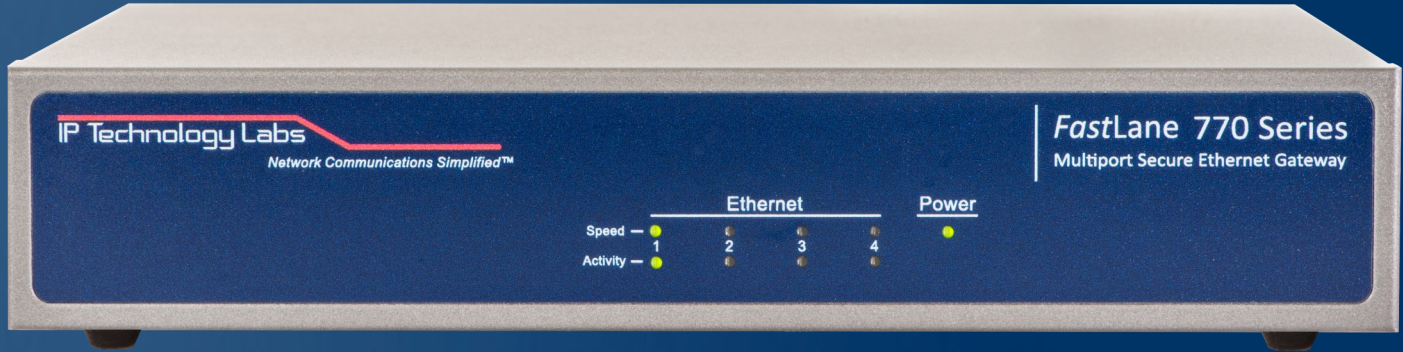
- **Connect and anytime Scale from 1 to 25 simultaneous secure Ethernet Tunnel connections.**

- **Add additional connections, one at a time, with a simple software license.**

- **Transparent to all Ethernet L2/LAN traffic including SCADA, VoIP/UC, H.263/H.264, IP Cameras, and VLANs/VTP/ISL.**

- **X.509/AES256 trust, dynamic keys, & Perfect Forward Secrecy standard.**

- **Fully compatible with any IpTL FastLane™ Series appliance.**

- **Manage and control locally or with the IpTL ViewPoint™ platform.**

- **Redundant with N+1 or N+N fallback or hot-active standby — provider, link, & appliance protection!**

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Device Overview

- Compact metal enclosure, 9 status LEDs: Power, Ethernet Speed, Activity.
- Supports 1-25 simultaneous connections. Anytime Expand connections with one-time licenses (sold separately.)
- 150-250mpbs system throughput budget.
- Transparent tunneling of L2/Ethernet frames full AES256 encryption and compression. Connections are between IpTL appliances.
- Unlimited host support, Unlimited Networks, Unlimited VLANs.
- AutoConnect™ provides Auto-discovery of tunnel end-points through NAT/Routers/Proxy's. (single instance)
- User configurable voluntary, compulsory tunnels, or split-tunnels.
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and each Tunnel.
- Multiple USB ports for 3G/4G dongle support.
- Standard 1 year warranty. Extended warranty and support services available.

Network Interface

- 4 ports 802.3TX 10/100/1000 Ethernet, Shielded RJ45 jacks. Auto-sensing full- and half- duplex operation on all ports.
- Port 1 also can function as a detached WAN interface for NAT/perimeter security operation.
- Any interface can be used to establish/terminate tunnels.

Management & Configuration

- Internal web server management with selectable HTTP/HTTPS port. User configurable admin and monitor passwords.
- SNMP v1 MIB II; User selectable enable/disable, SNMP Variables, Tunnel Status & Tunnel Octet In/Out, Ethernet Status & Ethernet Octet In/Out. SNMP Traps for device and tunnel events.
- Syslog output with configurable server.
- Configuration export/import (encrypted) and system upgrade.
- User VLAN or Definable IP Address and Subnet Mask and Port for management.
- User selectable enable/disable support system or real-time resource options.
- External power switch and reset/factory reset button.
- Use with IpTL Model T7700 management server for independent positive control and management of fielded appliances.

Connectivity

- TLS, L2TPv3, PPTP, PPTPWrapper Tunnel operations with AES-256 CBC key encryption (selectable DES-EDE3-CBC,3DES-CBC, Blowfish-CBC). Perfect Forward Secrecy.
- Dynamic keying and automatic rekeying (every 5 minuets) with X.509 PKI certificates. Username/Password option for tunnel authorization. Separate per-tunnel password for link authorization. User configurable rekey based on time and/or data throughput.
- Configurable TCP/UDP tunnel with single port for all control & payload.
- Auto-learning with 8,192 MAC address table and unlimited hosts and networks support between LANs.
- Jumbo Ethernet frames with default MTU of 2K. VLAN (4,096) tagging on Client or Server; VLAN trunking out single Ethernet; InterVLAN routing. Will pass VLANs, VTP, & ISL.
- User selectable voluntary/compulsory and tunnel gateway modes through filters. Voluntary tunnel will only ARP for tunnel subnet traffic/hosts. Default Internet access via local router.
- ACL/Firewall permit/allow traffic from any interface. Separate Firewall rules for device access.
- Lossless compression—typical 20%-30% efficiency.
- Integrated DHCP client and server, DNS server, PPPoE client, and NTP client.
- RealTimeResource™ DNS services & AutoConnect™ standard. Built in DynDNS client.
- IP Sharing™ IP halfbridge with Tunnel NAT.
- Detached Ethernet/WAN interface with NAT and user defined port forwarding.
- L3 Routed tunnel mode supports full IPv4 routing and subnettting

Filtering & Quality of Service

- User configurable L2 and L3 filters on IP/Port or MAC Address. Stateful inspection processing and filtering with new, established, or related operation. Quick access buttons for immediate config.
- DSCP/TOS priority into three queues. E.g. EF = priority queue 0.

Operating

- Desktop operation mounting. Integral Wall mount holes on bottom.
- 12VDC@1.5A power input via locking coax barrel via power input 80-250VAC 50/60Hz. Country specific power interface.
- Operating Temperature: 0° to 40°C Humidity: 5% - 90% non-condensing.
- Dimensions: 9Wx1.73Hx6.9D inches (231 x 44 x175.5mm)
- Weight: 2.65# (1.2kg)

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,
- UAE TRA Auth: No. ER0091039/12
- FIPS140-2 Level 2 via separate ordering SKU

Ordering Information

10070-770-00 — FastLane IpTL 770 Series Multipath Ethernet Secure Remote Gateway, Single Desktop Unit; quad 10/100/1000 TX Ethernet; Configured for 0 (zero) Connections; Can support from 1 to 25 tunnels; order required connections via SKU 10070-770-9501; System configurable as local or remote; External 100-240VAC 50/60Hz Power Supply included with (US, EURO, UK) adaptors included Standard 1 year limited warranty included. Includes FlexPath redundancy standard. Can be configure AutoConnect port one only.

10070-770-9501 — FastLane IpTL 770 Series Connection upgrade license for 1 connection. Order multiples from 1 to 25 tunnels to add capability to existing 770 to expand simultaneous connections. Can be added to an already fielded and operational unit. Existing Model 770 required.

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

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