

FastLane™ 7810 Series Secure Ethernet Gateway

Hi-Performance Secure Network Gateway with Wi-Fi 6 for Branch, Multisite, & Industrial Applications with Wi-Fi 6 multiband Access Point and Station.

Secure Connectivity Simplified™

- 1 BEST Tunneling & Stable VPN
- 2 SUPERIOR Connectivity End-to-End
- 3 HIGHEST Redundancy & Availability
- 4 BEST Device Management
- 5 HIGHEST Security & Privacy

Model 7810 Series Highlights

- Five 1Gb Ethernet ports
- Wi-Fi 6 with 2.4/5.8GHz to 1.2Gbps
- Extended Temperature Range from -20 to +70C
- Expandable from 1 – 50+ connections
- Use vGate™ for IPsec server
- Extended Power input 9-34VDC
- Fully remote, manageable in-band and out-of-band
- Fully Compatible with all IpTL Appliances

Applications

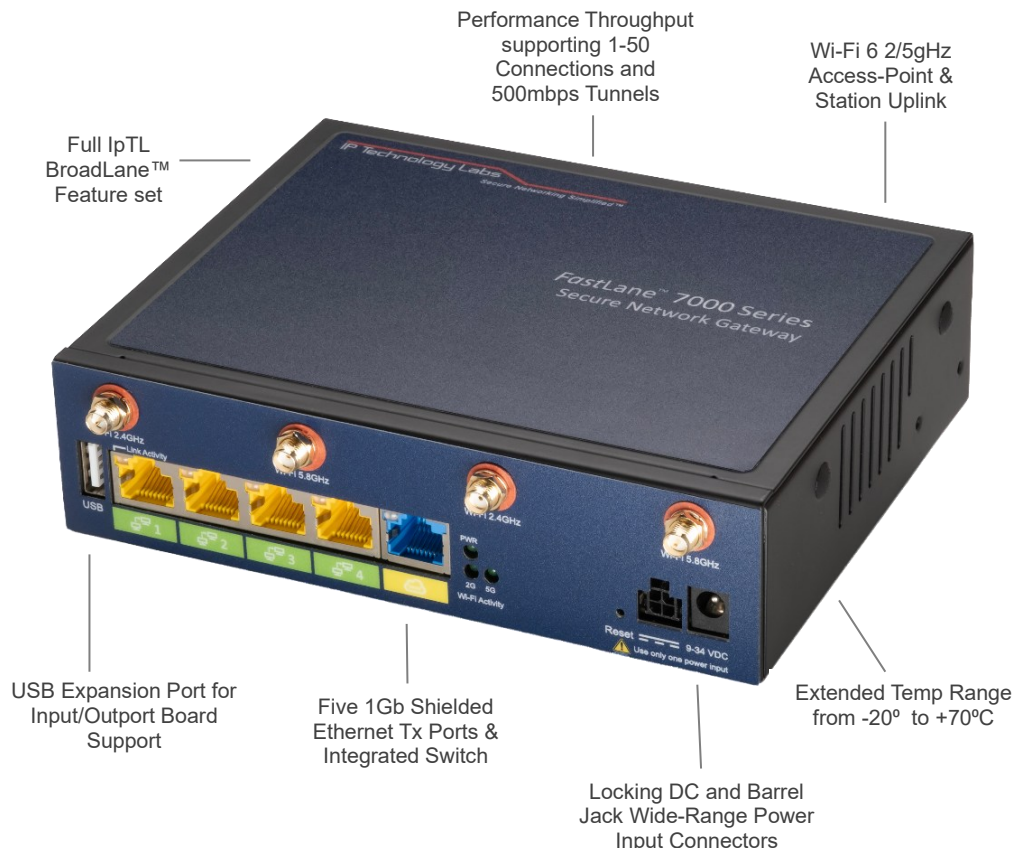
- Branch office Connectivity
- Mobile Video Surveillance Systems
- Branch office / SoHo Access Point
- ATM Kiosk, ERP, Point of Sale Failover Connectivity
- Digital Signage Connectivity
- MSSP Remote Streaming
- NVR backhaul & Secure WAN offload
- Off-site access to Video surveillance via private VPN networking
- Microsegmentation and Zero Trust of device-based networks

Connect anyway, wired or wirelessly, with true end-point security to your network-based devices and users with the IpTL Model 7810 Series Secure Network Gateways. With Hi-Performance 500mbps tunnels, Wi-Fi 6, and Gig Ethernet, the Model 7810 series connects the unconnected™.

Designed for easy, always-available, reliable remote access for all your applications and users, the 7810 Series offers an Five Gig-E ports, and multiband 802.11ax Wi-Fi 6 with extending temperature and power standard. Expandable from 1-50+ tunnel connections as well as vGate™ IPsec VPN server connections.

With its Extended temperature range, the Model 7810 Series is perfect for small remote branch connectivity, IoT/M2M, and Out-of-Band Management Connectivity, even in harsh conditions. Dual wide-range power inputs, including locking connector and barrel jack. Additional I/O controls can be easily added by connecting IpTL's optional USB I/O expander board.

Fully compatible with any IpTL appliance, only IpTL provides Trust-and-Control™ by combining leading state-of-the-art hardware with our patented firmware to deliver the best tightly integrated low-cost secure connectivity solution.



Device Overview

- All-metal Enclosure with fanless quiet operation
- Five GigE Shielded Ethernet ports with Per port Ethernet Link indicators
- Four system status indicators
- Extended Temperature range from -20°C to +70°C
- Wi-Fi 6 with 802.11 b,g,n,ac,ax and four RP-SMA bulk-head antenna connectors; 2.4GHz speed of 600Mbps; 5.8GHz speed of 1200 MPS with WPA2-PSK, WPA2, WPA-PSK, WPA Encryption support. Wi-Fi can be Access Point or Station (uplink)
- Dual power input via barrel jack or locking DC input connector
- Software expandable connection & tunnel licenses; one connection included
- Provides a transparent Point-to-Point Ethernet tunnel bridged L2 or L3 Routed links, full-duplex, and transparent operation
- Unlimited hosts, users, networks, VLANs
- User configurable compulsory tunnels or split-tunnel operation
- Full access router – DHCP client/server, DNS client/server, NetFlow, QoS, multicast, Port forward, full routing table & virtual routers; secondary IP's. NAT/PAT/SNAT/DNAT
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and each Tunnel, L2-L7
- VRRP, FlexPath redundancy, Tunnel bonding
- vGate™ IPsec Server

Network Interface

- 5x Gig-E Shielded Ethernet RJ-45 Ports, full duplex, autosensing, Auto-MDI-X
- Port 5 interface is physically isolated from ports 1-4 switch; each port can be independently logically isolated.

Management & Configuration

- Internal webserver management with selectable HTTP/HTTPS port. User-configurable admin and monitor passwords & multilevel user credentials
- SNMP v1/v2/v3 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 and NetFlow with the configurable server
- Configuration export/import (encrypted) and system upgrade.
- Definable IP Address or VLAN for management
- User-selectable enable/disable SupportServer™ or Real-Time-Resource™ options
- Use with IpTL ViewPoint™ management support server for independent positive control and management of fielded appliances



Model Ordering

10070-7810-01	FastLane™ 7000 Series Secure Network Gateway with eight (8) Tunnel connections included
10070-7810-50	FastLane™ 7000 Series Secure Network Gateway with fifty (50) Tunnel connections.

Operational Features

- TLSv1.2/1.3, L2TPv3, AES-256 CBC/GCM with SHA-1/SHA-2(256/384) AEAD ECDSA & ECDHE Perfect Forward Secrecy options; IPsec IKEv2 Server
- Dynamic keying and automatic rekeying (every 5 minutes, user adjustable) with X.509v3 certificates mutual authentication. Username/Password option for tunnel authorization. Separate per-tunnel password for link authorization. User-configurable rekey based on time and/or data throughput.
- Configurable Tunnel Auth Passphrase to create closed tunnel user group; enables additional HMAC on tunnel to prevent connection or discovery
- 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 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.
- Full SNAT/DNAT capability
- Integrated DHCP client and server, DNS server, PPPoE client, and NTP client; RealTimeResource™ DNS services & AutoConnect™ standard. Built in DynDNS client; IPShare™ with Tunnel NAT.
- Detached Ethernet/WAN interfaces with NAT and user-defined port forwarding. L3 Routed tunnel mode supports full IPv4 routing and subnetting
- Tunnel bandwidth bonding for multiple physical connections or 64 logical connections
- BlackNoise™ Multilevel Tunnel Obfuscation with configurable codes
- SystemMonitor™ failover/restore with tunable network features. Full redundancy with bonded tunnel, roll-over, and VRRP. Eliminate any single point of failure.
- SuperNAC™ Clientless Identity Based Software Defined Perimeter Network Access Control features
- RealTimeResource™ DNS services & AutoConnect™ standard. Built-in DynDNS client.
- IPShare™ LAN Virtualization with Ethernet/Routing Half-bridge with Tunnel NAT Permits/Forwards.
- DNS SecureSwitch™ URL based Filtering & Switching with Dynamic IP population
- User configurable L2 and L3 filters on IP/Port or MAC Address. Stateful inspection processing and filtering with new, established, or related operations. Quick access buttons for immediate config.
- QoS for optimized traffic management with user-configurable queues, filtering, and switching.

Operating

- Desktop or wall-mount operation mounting; metal screw on SIM cover included
- Operating Temperature: -20° to 70°C Humidity: up to 5-95% non-condensing
- Size: L6.4"xW5.1"xH1.7" (L162.5*W128.4*H43.6)
- Weight 1.7 pounds (0.8kg)

Regulatory Compliance & Certifications

- CE Mark, RoHS, WEEE, FCC Class A, UL
- Covered by one or more of the following Patents 9294434, 9391881, 9876757, 10154005, 10469444, 10659430, 11283790, 11477276, 11799690, 12034800, 12034799, and other patents pending

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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