*Fast*Lane™ 780 Series Secure Access Gateway
Multiport and Expandable Performance Appliances

Connecting People, Places, & Things™

1 Robust Access Router & Endpoint
2 BEST Tunneling/VPN Connectivity
3 HIGHEST Redundancy
4 HIGHEST Security & Privacy
5 BEST Device Management

Model 780 Series Highlights

- Supports 1 to 25 connections
- Expandable with software licenses
- Superior connectivity with private IP
- Full Access Router with ACL/Firewall
- N+1 or N+N Redundant Options
- Remote out-of-band manageable
- Compatible with all IpTL remote and server appliances

Applications

- IP Camera/NVR backhaul & WAN offload
- Branch Office Connectivity and Routing
- Mid/Large branch data replication and cloud connectivity
- MPLS leased-line failover protection
- HQ server for Remote User Access to central site resources

The World's Longest Ethernet Cable™

The IpTL FastLane™ 780 Series provides an expandable concentration point for multisite connectivity or performance branch networking.

As a server, the 780 is software license expandable from 1 to 25 connections and is compatible with all IpTL appliances. As a client, the 780 can provide the throughput your applications demand. Use for higher-bandwidth connectivity requirements or mid-size central site aggregation including IP Camera backhaul/offload and real-time data replication services.

Fully managed with IpTL's out-of-band ViewPoint system, the 780 also offers multi-provider fallback and hot-standby redundancy standard. The 780 Series delivers the your application with the right amount of connections, future expandability, and the full power of IpTL's Trust & Control™.

Device Overview
- All-mental Enclosure with fanless quite operation
- 11 front-of-appliance status Indicators
- Software expandable from 1 to 25 simultaneous connections
- Provides a transparent Point-to-Point Ethernet tunnel bridged or L3 Routed links, full-duplex, and transparent operation.
- Unlimited host support — no network host limitation. Unlimited Networks, Unlimited VLANs
- User configurable compulsory tunnels or split-tunnel operation.
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and each Tunnel.
- AutoConnect™ and Tunnel bonding, VRRP and FlexPath™ redundancy.

Network Interface
- 4x Gig-E Shielded Ethernet RJ-45 Ports; all software assignable

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.
- Use with IpTL Model T7700 management server for independent positive control and management of fielded appliances.

Operating
- Desktop operation mounting. 19RU rack mount available as optional accessory.
- 12VDC@3000mA (36 watt max)power via locking barrel jack; Country specific power cords available; mains input voltage 100-240VAC @47-63Hz.
- Operating Temperature: 0° to 40°C Humidity: up to 5-90% non-condensing
- 10.39" x 7.55" x 3.94" (264mm x 192mm x 100mm)
- Weight 2.27 pounds (1.0kg)

Connectivity
- Armored Tunnel with TLSv1.2/1.3, L2TPv3, PPPTWrapper Tunnel operations with AES-256 CBC/GCM with SHA-1 or SHA-2(256/384) HMAC, key encryption ECDHE Perfect Forward Secrecy.
- Dynamic keying and automatic rekeying (every 5 minutes, user adjustable) 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 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.
- 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; 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
- Full redundancy with bonded tunnel, roll-over, and VRRP.
- SuperNAC™ Identity Based Software Defined Perimeter Network Access Control features (optional license)
- RealTimeResource™ DNS services & AutoConnect™ standard. Built in DynDNS client.
- Routed mode supports full IPv4 routing.
- IPShare™ LAN Virtualization with Ethernet/Routing Half-bridge with Tunnel NAT Permits/Forwards.
- Integrated Security Hardening with Trusted Platform Module - TPM 2.0

Regulatory Compliance & Certifications
- CE Mark, RoHS, WEEE, FCC Class A, UL

Ordering Information

10070-780-01 FastLane 780 Series Multipath Ethernet Secure Remote Gateway, Single Desktop Unit; quad 10/100/1000 TX Ethernet; Configured for zero (0) connections; Can support from 1 to 25 tunnels; order required connections via SKU 10070-780-9501; Configured with one (1) tunnel port instance. 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. Must purchase at least 1 pcs of 10070-780-9501 connection license. Must include Annual Software Maintenance for first year or have umbrella maintenance agreement.

10070-780-9501 FastLane 700 Series Connection Expansion License. Connection Add-On license for 1 tunnel connection. Adds additional capability to existing appliance operating in client or server mode to expand simultaneous connections over a single tunnel virtual network port. Additional connections can be added anytime to fielded units. Required for each hot/active failover connection. Existing base appliance required.

To learn more, contact your IPTL Representative, Authorized Reseller, or Sales Agent or visit our Web site at www.IpTechnologyLabs.com
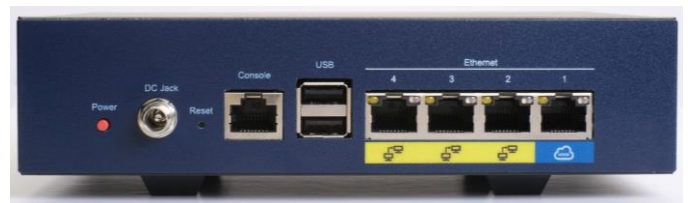
IP Technology Labs
Network Communications Simplified™

1201 S. Sharp St
Baltimore Maryland USA 21230
T: +1 301 570 6611
F: +1 301 570 8049
W: http://IpTechnologyLabs.com
E: sales@IpTechnologyLabs.com