

FastLane™ 70V eGate Virtual Secure Network Gateway

Securely & Transparently Connect and Tunnel 1 to 1,000 LANs over the Internet using VMware, AWS, AZURE, Hyper-V, VirtualBox, or KVM environments

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 70V Series Highlights

- Virtual Remote or Server under popular hypervisor systems
- Use with a single connection for high-speed point-to-point networking
- Use as a multipoint server for 1,000's of connection terminations
- Connection licenses are field-upgradeable and perpetual
- Stack multiple Model 70V's for additional capacity or N+1/N+N redundancy
- Compatible with all IpTL appliances and fully out-of-band manageable
- 6 Ethernet ports Standard, single expandable network port for additional ports

Applications

- Hi-Capacity VPN server for 1-1,000 remote tunnel connections
- Datacenter connectivity with Point-to-Point Ethernet L2 LAN based connectivity
- MPLS Leased-Line failover protection

The IpTL FastLane™ Series eGate Virtual Secure Network Gateway provides a unified aggregation point for terminating larger network deployments. Providing the connectivity, control, and configuration for multisite networking, the Model 70V provides both scalability, throughput, and redundancy.

For point-to-point networking, the Model 70v provides high-bandwidth, transparent, and secure communications end-to-end. Often used for data center connectivity or leased-line protection, the Model 70v can connect at the Ethernet/Layer-2 level offering unparalleled communications transparency without the need for network addressing changes. With the broadcast domain preserved, all Ethernet-based protocols can be transported, including VLANs, mixed IPv4/v6, Multicast, and non-IP-based protocols.

For multipoint aggregation, the 70V can serve from 1 to 1,000 remote connections per appliance. For larger applications with many sites or as part of an integrated disaster recovery installation, the 70V provides transparency, bandwidth, and flexibility for each of your local or remote network connections.

Compatible with all IpTL appliances, the 70V can be configured with a single connection for high-speed point-to-point links, or 25, 50, and 100 connection license packs can be added for large remote aggregation applications. In-the-field expansion is supported by simply adding additional perpetual connection licenses.



Device Overview

- Software expandable from 1 to 1,000 simultaneous connections
- Provides a transparent L2/Ethernet bridged tunnels or L3/Routed IP links, full-duplex, and transparent operation.
- Unlimited host support — no network host limitation. Unlimited Networks, Unlimited VLANs or Q-in-Q frames
- User configurable compulsory tunnels or split-tunnel operation.
- Integrated SPI Firewall with ACL's to 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

- Up to 6 Ethernet ports from hypervisor.

Management & Configuration

- Internal webserver 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 the 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 and Provisioning Guidance

- Installed into an existing hypervisor compute instance.
- For 100-250 tunnel connections or less
 - Dual-core 2.0Ghz or similar.
 - 60MB Hard drive space
 - 1 gig of RAM memory
- Delivered as VMDK, OVA, or similar format.

Ordering Information

- 10700-70v-00VM** FastLane™ 70v eGate Access Virtual Appliance for VMware ESXi with 0 (zero) Connection License for server or client tunnel connection. Add one or more 10070-70V-95xx Series licenses to activate additional simultaneous connections. Supports 6 virtual Ethernet interfaces. VMware vSphere ESX/ESXi Install Environment. Compatible with any IpTL Model 70 Series appliance. Includes FlexPath Redundancy. Add additional connections via Connection Licenses or Functionality Engines. Download delivery. Must include Annual Software Maintenance for first year or have umbrella maintenance agreement.
- 10700-70v-00AZ** FastLane™ 70v eGate Access Virtual Appliance for Azure Hyper-V with 0 (zero) Connection License for server or client tunnel connection. Add one or more 10070-70V-95xx Series licenses to activate additional simultaneous connections. Supports 6 virtual Ethernet interfaces. VMware vSphere ESX/ESXi Install Environment. Compatible with any IpTL Model 70 Series appliance. Includes FlexPath Redundancy. Add additional connections via Connection Licenses or Functionality Engines. Download delivery. Must include Annual Software Maintenance for first year or have umbrella maintenance agreement.
- 10700-70v-00AWS** FastLane™ 70v eGate Access Virtual Appliance for Amazon AWS with 0 (zero) Connection License for server or client tunnel connection. Add one or more 10070-70V-95xx Series licenses to activate additional simultaneous connections. Supports 6 virtual Ethernet interfaces. VMware vSphere ESX/ESXi Install Environment. Compatible with any IpTL Model 70 Series appliance. Includes FlexPath Redundancy. Add additional connections via Connection Licenses or Functionality Engines. Download delivery. Must include Annual Software Maintenance for first year or have umbrella maintenance agreement.
- 10070-70v-9501** FastLane™ 70V Series Connection Expansion License. Connection Add-On license for one tunnel connection. Adds additional capability to existing appliances 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 appliances. Perpetual license.

Operational Features

- Armored Tunnel with TLSv1.2/1.3, L2TPv3, AES-256 CBC/GCM with SHA-1/SHA-2(256/384) AEAD ECDSA & ECDHE Perfect Forward Secrecy options.
- Dynamic keying and automatic rekeying (every 5 minutes, user adjustable) with X.509v3 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, Q-in-Q, VTP, & ISL. Jumbo 9K MTU capable.
- 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 1%-20% 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.
- Bridged mode supports any protocols in Ethernet frames. Routed mode supports full IPv4 routing.
- IPShare™ LAN Virtualization with Ethernet/Routing Half-bridge with Tunnel NAT Permits/Forwards.
- DNS SecureSwitch™ URL based Filtering & Switching with Dynamic IP population
- Integrated Security Hardening with Trusted Platform Module - TPM 2.0; Secure Boot
- Covered by one or more of the following Patents 9294434, 9391881, 9876757, 10154005, 10469444, 10659430, 11,283,790, 11,477,276 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

Specifications subject to change without notice. This document is for planning purposes only, and is not intended to create, modify or supplement any IPTL specifications or warranties relating to these products or services. Information and/or technical specifications supplied within this document do not waive (directly or indirectly) any rights or licenses – including but not limited to patents or other protective rights of IP Technology Labs, LLC. ©2023 IP Technology Labs, LLC All trademarks are the property of their registered owners. Rev: IPTL Model 70V Series v.23.006



1201 S. Sharp St #303
Baltimore Maryland USA 21230
T: +1 301 570 6611
F: +1 301 570 8049
W: <http://IpTechnologyLabs.com>
E: sales@IpTechnologyLabs.com