

FastLane™ 7111

Series Secure Network Gateway

Multiservice Network Connectivity, Security, & VPN 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 7111 Series Highlights

- Full access router with Firewall
- Integrated 802.11 2.4Ghz b/g/n Wi-Fi
- External RP-SMA bulkhead antenna connectors
- Sturdy all metal enclosure
- Integrated wall mount flanges
- 8 LED Status Indicators
- 5 Wired Fast-Ethernet TX ports
- Branch and SoHo Connectivity
- Networking Support for wired & wireless devices is required
- Perfect for networks for 250 users or less
- 802.11 b/g/n Wi-Fi connects all your devices to both the LAN and the Tunnel
- Can use the Wi-Fi as WAN uplink or access point simultaneously
- MPLS or Lease-line replacement with Active/Active redundancy
- Load-Balance and Link Aggregation supporting up to 64 independent network connections

Connect with The World's Longest Ethernet™ Cable™

The IpTL FastLane 7111 provides wired Fast-Ethernet and wireless 802.11 b/g/n, and optional AC connectivity with always-on secure VPN access to enterprise resources. Perfect for branch office connectivity & MPLS/leased-line circuit replacement, the 7100 Series provides wireless and wired connectivity, full routing, and full redundancy/high-availability in an integrated and fully managed package.

IpTL FastLane products are designed for access connectivity and includes all the expected networking features ensuring success to your project including routing/forwarding, VLANs, and stateful inspection firewall. For redundancy and failover applications, the M7100 Series can connect to multiple networks and provide active/active failover as well as link-bonding over multiple Internet services. Additionally, the cellular can use the wireless network in either hot or passive standby with automatic failover/failback. Redundancy is network transparent and does not require any reconfiguration of networking parameters or infrastructure.



Device Overview

- Sturdy all-metal enclosure; cool low-power & fan-less operation. 8 status LEDs: System, Ethernet, Tunnel, Firewall; Model 7111v3 with a single multicolor LED
- Provides a single Transparent Point-to-Point Ethernet tunnel L2 bridged or L3 Routed links, full-duplex, and transparent operation.
- Auto-discovery of tunnel end-points through NAT/Routers/Proxy's.
- Unlimited host support — no network host limitation. Unlimited Networks.
- 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™, FastLaneNBX™ and FlexPath™ redundancy.
- Connect with any 4G, WiFi, or Wired IP connection including NAT and nested NAT environments.

Network Interface

- 5 ports 802.3TX Fast-Ethernet, RJ45 jacks; Auto-sensing all ports. Model 7111v3 with 5 TX Gig Ethernet ports
- 802.11 b/g/n WiFi Access Point and wireless client uplink with WPA/WPA2, and MAC deny/allow.
- Dual RP-SMA 2dBi detachable antennas. Selectable country codes.
- Any interface can be used to establish tunnel.

Management & Configuration

- Internal web server and control with selectable HTTP/HTTPS.
- 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.
- User Definable IP Address and Subnet Mask and Port for management.
- DHCP client for automatic address with simultaneous static secondary IP.
- Use with IpTL Model T7700 management server for independent positive control of endpoints via separate independent routed tunnel. Can run HTTP/SNMP/Syslog.

Redundancy & High-Availability

- Active/Active Multipath Redundancy, WAN Link Auto failover with Multiple Internet Providers
- Active Deadpeer detection with Multisite uptime failover mechanism.
- No MAC Spoofing VRRP / HSRP Failover.
- Multi-interface Link Bonding & Load balancing- up to 64 links



Connectivity

- 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; IPsec IKEv2 Server (with License)
- 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, 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 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.
- 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

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.
- QoS with Remote Access Optimized traffic management with user configurable queues, filtering, and switching.

Operating

- Desktop operation mounting. Integral Wall mount holes flanges.
- 12VDC@1A power input via coax barrel jack
- Operating Temperature: 0° to 50°C Humidity: up to 90% non-condensing

Regulatory Compliance & Certifications

- EN60950-1:2006_A11:2009+A1:2010+A12:2011+A2:2013; EN 62311:2008; EN 301 489-1 V1.2.9 (2011-09); EN 301 489-17

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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