IP Technology Labs

Connecting People, Places, & Things™

*Fast*Lane™ 8 Secure Remote Access Adapter
with Wi-Fi Access-Point and Station Up-link, USB Ethernet, and Tunneling

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 8 Series Highlights

- Wi-Fi and USB Ethernet
- Easiest VPN/Tunneling for any Network
- Superior Connectivity with Private IP
- Full Access Router with ACL/Firewall
- Integrated 802.11 b/g/n Wi-Fi
- Remote out-of-band manageable
- Provides 2-Factor Security

- Remote User Access to central site resources
- Supports 8 devices simultaneously
- 802.11 b/g/n Wi-Fi connects all your devices to both the LAN and the Tunnel
- Can use Wi-Fi as WAN uplink or access point simultaneously
- Can use with just USB power – host PC is not required
- Does not require any software client or installation on PC or device

The World's Longest Ethernet Cable™

The IpTL Model 8 NetBlazer-D2™ Secure Remote Access Adapter provides true plug-and-play secure clientless access for on-the-go users. More than a VPN, the NetBlazer™ delivers full network access to all resources and shares them with your PC, phone, and tablets – all at the same time.

Powered by your PC via USB, the Model 8 will provide a generic Ethernet network interface to your host with no client or driver installation required. The built-in Wi-Fi access-point allows you to create a private network for all your devices at the same time. The simultaneous Wi-Fi Station Uplink feature connects you to the Internet.

The Model 8 also provides 2-Factor security and the best privacy. The host will communicate over the USB to the tunnel and not expose the PC directly to the Internet. The NetBlazer-D2 can be "locked" to your PC and ensure a tunnel is only connected to authorized devices. Our ArmoredTunnel™ prevents man-in-the-middle attacks and keeps all your communications private.

Device Overview

- USB dongle form-factor with USB cover
- 2 top-of-device LED status Indicators
- Provides a single 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

- 1 internal 802.11 b/g/n (150mps) Wi-Fi Access Point and Station uplink with WPA/WPA2, and MAC deny/allow. Simultaneous AP and Station operation.
- 1 USB2.0 interface enumerates on host system as generic CDC Ethernet
- Any interface can be used to establish tunnel. All interfaces can be used simultaneously
- Can be used without a host PC. Just provide power on USB port.

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.

Connectivity

- Armored Tunnel with TLSv1.2/1.3, L2TPv3, PPTPWrapper 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 minuets, 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.
- IPSharing™ HalfBridge with Tunnel NAT Permits/Forwards.

Operating

- Desktop operation mounting. Integral Wall mount holes flanges
- 5VDC@200mA (1 watt) power via USB interface
- Operating Temperature: 0° to 45°C Humidity: up to 90% non-condensing
- Weight .35 Ounces (10g)

Regulatory Compliance & Certifications

- CE Mark, RoHS, WEEE
- 2014/53/EU RED Directive; ETSI EN 300 328 V2.1.1(2016-11); ETSI EN 301 489-1 V2.1.1(2017-02); ETSI EN 301 489-17 V3.1.1(2017-02); EN62479:2010; Cert HCT17HR-1202E
- FCC 2AFIW-USB150 Part 15B; Part 15C 2412.0 – 2462.0 MHZ (.1445)

Ordering Information

10070-8-01
Model 8 NetBlazer-D2™ Secure Remote Access Adapter with integrated 802.11 Wi-Fi Access Point and Station-Uplink operation; USB port presents as generic Ethernet Port over USB; local or remote tunnel operation; can be configured for AutoConnect; Internal antenna; USB Port 5V 500mA powered. Standard 1 year warranty. Must include Annual Software Maintenance for first year or have umbrella maintenance agreement.

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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Network Communications Simplified™

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