

Welbeck Model 7 NetBlazer™ Secure Remote Access Device

Connect and Protect Communications from Remote Offices and on the Road



- Like the World's Longest Ethernet Cable™.
- More than a VPN: The NetBlazer™ delivers full access to all corporate network resources from your PC, phone, or tablet.
- Transparent to all network data, applications, and peripherals — lets you work without modification while preserving security.

- Secure remote access and automatic connectivity. No client required on your device.
- Wired & WiFi operation: 802.11TX and 802.11n.
- Self-Powered from USB port on laptop or charger.
- X.509 certs, AES256 encryption, dynamic keying, Perfect Forward Secrecy standard.
- Fully compatible with any Welbeck appliance and interoperable with any network access device or network gear.



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Device Overview

- Compact dongle plastic enclosure, 0.9" x 2.6".
- 3 status LEDs: Power, Tunnel, WiFi.
- Single tunnel connection — bridged or routed. Unlimited users.
- Transparent tunneling of L2/Ethernet frames with full AES256 encryption and compression.
- Supports Unlimited Hosts , Unlimited Networks, Unlimited VLANs.
- AutoConnect™ provides Auto-discovery of tunnel end-points through NAT/Routers/Proxy's.
- User configurable voluntary, compulsory tunnels, or split-tunnels.
- Firewall and ACL's provide granular traffic management as well as protection for both Local, Uplink, and each Tunnel.
- USB powered and Ethernet Interface to underlying device OS.

Network Interface

- Single USB port presents NDIS Ethernet port to underlying system. Drivers for Windows 7/8, MAC.
- Single 802.3TX 10/100 Ethernet RJ45 jack. Auto-sensing full- and half- duplex operation on all ports. Can function as a detached WAN interface for NAT/perimeter security operation.
- Internal 802.11 WiFi b/g/n.
- Any interface can be used to establish/terminate tunnels.

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.
- Internal reset/factory reset button.
- Use with integrated management tools for independent positive control and management of fielded appliances.

Regulatory Compliance & Certifications

- NRTL Safety: UL 60950-1, CSA C22.2 No. 60950-1; AS / NZS 3260, TS 001; Emissions: FCC Part 15 Class B, EN 55022A
- CE Mark, RoHS, WEEE,
- UAE TRA Auth: No. ER0091039/12
- FIPS 140-2 compliant version available.

Connectivity and Security









- TLSv1.2 Tunnel operations with AES-256 CBC key encryption (selectable DES-EDE3-CBC,3DES-CBC, Blowfish-CBC). Perfect Forward Secrecy.
- Dynamic keying and X.509 PKI certificates. Username/Password option for tunnel authorization. Separate per-tunnel password for link authorization. Automatic rekeying every 5 minutes or 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 selectable voluntary/compulsory and tunnel gateway modes through filters. Voluntary tunnel will only ARP for tunnel subnet traffic/hosts. Default Internet access via local router.
- ACL/Firewall permit/allow traffic from any interface. Separate Firewall rules for device access.
- 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.
- Layer 2 bridged mode, Layer 3 routed mode and IP Sharing™ IP halfbridge with Tunnel NAT.
- L3 Routed tunnel mode supports full IPv4 routing and subnetting.
- Detached Ethernet/WAN interface with NAT and user defined port forwarding.

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.
- User defined L2 and L3 QoS , CBQ or HBT, with application/IP or host/MAC filtering on any interface; ACL filtering on MAC address, source and destination address, and protocol type.
- NETBIOS filtering allow/pass/block/deny of Windows broadcasts/NetBIOS data on a per tunnel basis.
- Filter logging for status; front panel indicator flashes on firewall event.
- Traffic shaping prioritizes latency-sensitive traffic (e.g. video).

Operating

- 5VDC@250mA max (148mA nominal) power input via USB port.

		NORTH AMERICAN PRODUCT LINE Q2 2016 (MODEL 500 NOT SHOWN; SPECIFICATIONS MAY CHANGE) INQUIRIES: CALL 855-WELBECK OR EMAIL SALES@WELBECKSECURE.COM					
	NetBlazer Model 7	Model 71LW	Model 71LC	70 Series (72, 75-01, 78)	Model 770	Model 79R Server	Virtual Appliances
							
Connections	USB, WiFi, Ethernet	Ethernet & WiFi	Ethernet & 3G/4G	4 x GigE; USB	4 x GigE; 2 x USB	6 x GigE	*
Tunnels	1	1	1	1 to 8	1 to 25	1 to 1,000	1,000s
Applications	Indiv/M2M	Indiv/group/M2M	Indiv/group/M2M	Office/M2M	Office/Small Enterprise	Enterprise/Data Center/Cloud	Data Center/Cloud
Throughput	17-25 Mbps	25-35 Mbps	25-35 Mbps	85 Mbps	150-250 Mbps	1000 Mbps/1Gig	*
AutoConnect™	✓	✓	✓	✓	✓	✓	✓
Integ'd Failover	✓	✓	✓	✓	✓	✓	✓
Remote Mngt	✓	✓	✓	✓	✓	✓	✓
Dimensions	0.6" x 0.9" x 2.6"	3" x 4" x 1"	3" x 4" x 1"	6.5"x6.5" x 2.0"	9.0" x 6.9" x 1.7"	1RU x 19"	*
Rec'd Users	1 - 3	10 - 20	10 - 20	100 - 250	250+	1000s	*
Power	5VDC@110-140mA	9VDC@500mA	9VDC@500mA	24VDC@250mA	12VDC@1.5A	100-250VAC 35W	*