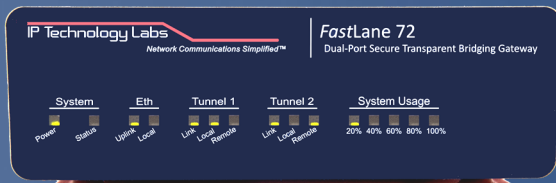


Welbeck Model 70 Series Secure Ethernet Gateways

Transparently Connect and Tunnel LANs over Internet/IP



- Enable distributed networks to work as one.
- Transit network traffic securely over the internet or any IP network.
- Applications and hosts “think” they are all on the same LAN.
- One to eight simultaneous tunnels. Unlimited Users. Unlimited Hosts. Unlimited Networks.

- Connect separate networks. All endpoints will behave as if they are on the same LAN.
- Transparent to all Ethernet L2/LAN traffic including VoIP and VLANs/VTP/ISL.
- X.509 certs, AES256 encryption, dynamic keys, & Perfect Forward Secrecy standard.
- Fully compatible with any Welbeck device or virtual appliance. Interoperable with any endpoint, network gear or OS.
- Manage and control locally or remotely with integrated management platform.

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Device Overview

- Compact metal enclosure; cool low-power & fan-less operation.
- One, two or eight simultaneous tunnels (model specific).
- Unlimited users and host support—no network host limitation.
- 13—17 front panel status LEDs: System, Ethernet, Load/Usage.
- Transparent tunneling of Ethernet frames from Ethernet-LAN-to-Ethernet-LAN with full AES encryption and compression.
- Auto-discovery of tunnel endpoints through NAT/Routers/Proxies.
- Bridged links, full-duplex, and transparent operation.
- User configurable voluntary or compulsory tunnels.
- Firewall and ACLs provide granular traffic management as well as protection for both Local, Uplink, and each Tunnel.

Network Interface

- 10/100/1000 802.3TX Ethernet, Shielded RJ45 jack; one uplink (WAN), three local switched (LAN). Any interface can be used to establish tunnels.
- Auto-sensing full- and half- duplex operation on all ports.
- 802.af POE on Uplink port for powering unit without adapter.

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 low/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 such as video.

Management & Configuration

- Plug-and-Play auto-discover and configuration or manual point-to-point configuration.
- Integrated battery backed-up real-time clock.
- Internal web server and control with selectable HTTP/HTTPS.
- Telnet/SSHv2 CLI option; EIA-232 DTE DE-9F Console port.
- SNMP v1 MIB II; User selectable enable/disable, SNMP Variables, Tunnel Status & Tunnel Octet In/Out, Ethernet Status & Ethernet Octet In/Out.
- User Definable IP Address, Subnet Mask and Port for management.
- DHCP client for automatic address with simultaneous secondary IP.

Connectivity and Security









- TLSv1.2 with AES256 bit key encryption (selectable DES-EDE3-CBC,3DES-CBC, Blowfish-CBC). Other encryption options available.
- Key with X.509 PKI certificates. Username/Password option for tunnel authorization. Separate per-tunnel password for link auth.
- Heartbeat for tunnel keepalives; per-tunnel link indication LED.
- Auto-learning with 8,192 MAC address table and unlimited HOST support between LANs.
- User selectable voluntary/compulsory and tunnel gateway modes through filters. Compulsory dictates all traffic will go through tunnel. No local-to-uplink access. Voluntary tunnel will only ARP for tunnel subnet traffic/hosts. Default Internet access via local router.
- ACLs to permit/allow tunnel traffic to emit to local LAN.
- Lossless compression with adaptive compression algorithms.
- Tunnel/Gateway Mode intercepts traffic for the remote LAN and tunnels only that traffic (subnet or MAC defined) to the remote.
- Configurable TCP/UDP tunnel with single port for all control & payload. No-configuration NAT and Firewall traversal.
- DHCP client and server for WAN side and/or LAN side.
- Integrated DNS server with auto remote learning and DHCP lease issue registration. Each end of link learns local DNS and auto-sharing between end-points.
- Integrated DynDNS support.
- Integrated NTP Client.
- Bridge tunnel support jumbo Ethernet frames including VLAN and ISL frame sizes. Default MTU 2,000.

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

Operating

- Desktop mounting. Wall mount rails optional.
- 24/48 VDC @ 250mA power input via locking 2.1mm coax barrel
- POE input on Local (WAN) Ethernet.
- Operating Temperature: 0° to 50°C. Humidity: up to 90% non-condensing.

 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 711W	Model 711C	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" x 6.5" 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	*