

Model 7111 Product Presentation

Secure Network Gateway



Securing the Insecure
Connecting the Unconnected

Secure Connectivity Simplified™

We design & manufacture appliances that remove cyber risks, lowers costs, & simplifies remote access

Eliminate Cyber Risks from device-based threats like backdoors, spoofing, & tampering without rip-outs

Simplify & Lower-costs with Higher Security when networking remote access devices between sites

We Design Appliances for Secure Connectivity

Founded in 2009, HQ Baltimore, Maryland USA

USA Product, Development & Source Code

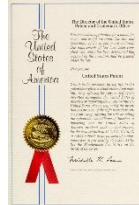
Technology: 6x Patents, Trade Secrets, Know-How

100+ Years in Serial, Modems, Ethernet, & IP

Go to Market: Sell globally – Support locally

Global from the start – used in 73+ countries

We do it All: Engg, Manufacturing, & Logistics



1.1 Summary of Findings

Configuration: The device was configured for testing with the following settings (in the raw data):

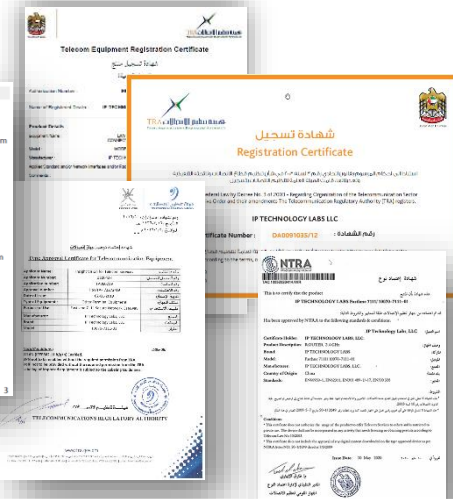
- No default accounts
- A default SSL configuration on port 80 for web management with the CA imported to the system
- A straight tunnel to an internal network host was running during all tests
- There was no connectivity to the support center or real time resource
- UDP was turned off (by default)
- An external NTP was configured to 0.north-america.pool.ntp.org
- DNS was ported to OpenDNS and validated by the Fortinet cloud DNS
- Internal DNS was turned off

Nessus: The full PCI Internal and External results are in the raw data with an executive report in this outline as Appendix 1. Due to the nature of PCI DSS audits on security equipment there can be no common vulnerability scoring system (CVSS) over a 4.0 for any vulnerabilities, this includes the Medium severities as well as Highs and Critical. The grades are not based on security but instead based on PCI compliance for the device, in this case the security of the device is also A+.

Table 1: Internal and External Nessus Vulnerability Scan Results

Findings	Critical	High	Medium	Low	Grade
Internal PCI Nessus Scan	0	0	0	0	A+
External PCI Nessus Scan	0	0	0	0	A+

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What People Say - The Customer's we Keep

"Today I ran over 30 concurrent calls over tunnel and **it worked perfect without any lag and issue.** - Amir, VoipLeaders

"Our office is working fine – **your device is much reliable**"
– Essam, Accorac

"**Tunnel is solid!** no issues at all." - Sandeep, Dragon Oil/ENOC

"Product to report the **tunnel is up and stable**"
- Jon, Medical Billing

"*Very Clever!* ...the system **worked without any glitches.**"
– Diaa, Honeywell

"Once again, thank you for all the **excellent support**; an **excellent product** at a **very attractive price** level." - Amer, Sony Dist

"**Saved the Day--** Your **redundancy kicked-in twice** when I was on holiday." - Dr. Robin, Veterinary Clinics



Honeywell

AVAYA

SITA



AbelCine



Model 7111 Secure Network Gateway

- IoT Applications – Physical Security, Sensors
- ATM, Access Control, IP Cameras
- Full Branch Office Connectivity
- Full featured Robust Ethernet Access Router
- Multi-port Active/Active or Active/Passive failover/fallback-restore
- Secure Armored Tunnels on any port
- Use Wi-Fi uplink and access point, & Ethernet simultaneously
- Dynamic IP supported; Client/Server Selectable
- Expandable to multiple port tunnels
- Fully managed with IpTL's Support System



Model 7111 Hardware Highlights

- Semi-ruggedized compact all metal enclosure with integrated flange wall mounts
- Front panel status indicators
- Silent operation – No moving parts
- Low-Voltage DC power input 12V@1A
- 10° - 40°C Operating temp
- 10% - 90% Humidity
- 5x Fast Ethernet ports (auto MDI-X)
- Wi-Fi 2.4Ghz 2x 5dBi RP-SMA Antenna ports (with high-quality Taoglas antennas)
- Max transmit power – 802.11g/n - 15dBm



Dims & Weights

Weights

- **Appliance with Antennas**
 - .33# (150g)
- **Product box & accessories**
 - 1.1# (498g)



Box and Accessories

Total Box weight and Dims

Box Dims 6.75" x 10.5" x 2.5"
(172mmx 266mm x 64mm)

Full product shipping weight 1.43# (649g)

Accessories included

Universal Power Supply 100-240V
Includes US, Euro, UK adaptors (intl)
Ethernet Cable
2x 5dBi RP-SMA Antennas

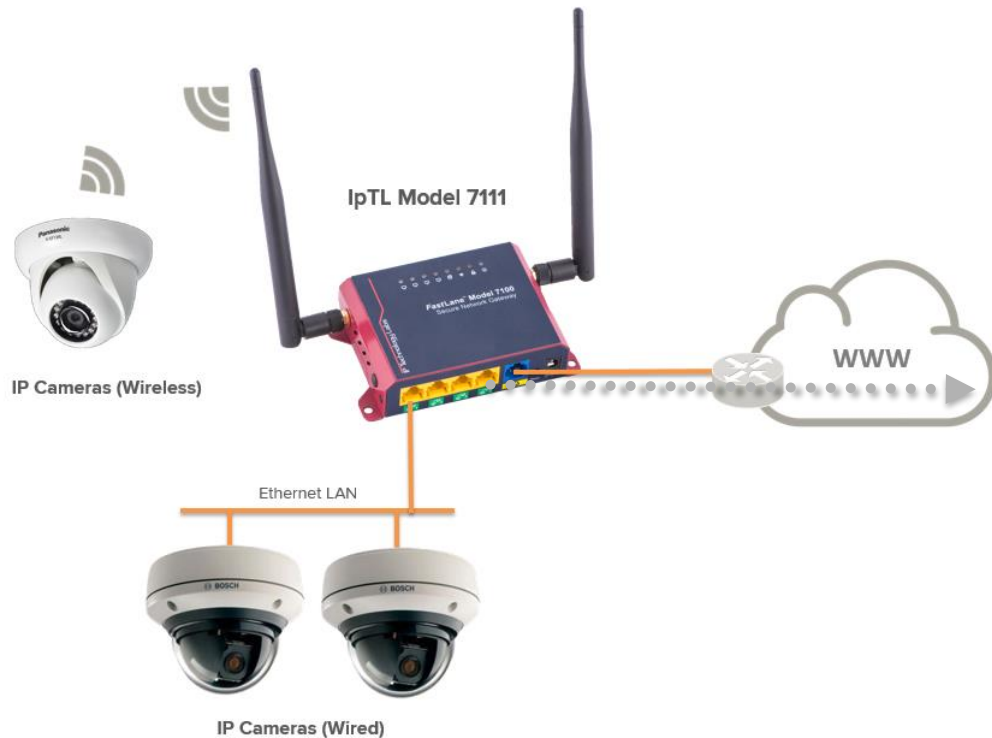


IoT – IP Camera Application

Aggregate sensors, controls, & monitors securely

End-to-End Security and Attribution for all Media stream – (Video & Audio)

Seamless application and DVR/NVR control



Redundant Providers Application

Branch Office Redundancy

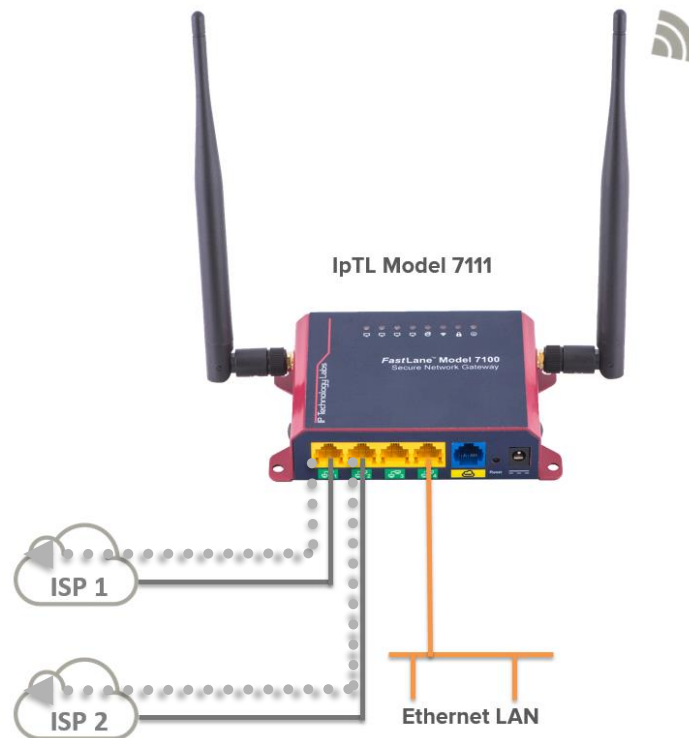
Up to 64 providers (logical)

Multi-ISP Failover/Fallback

Tunnel Bandwidth Aggregation

Traffic Steering Opportunities

E.g. HTTP out ISP1; email out ISP2



Typical Remote LAN Application

SoHo Branch Connectivity

Split or Compulsory Tunnel

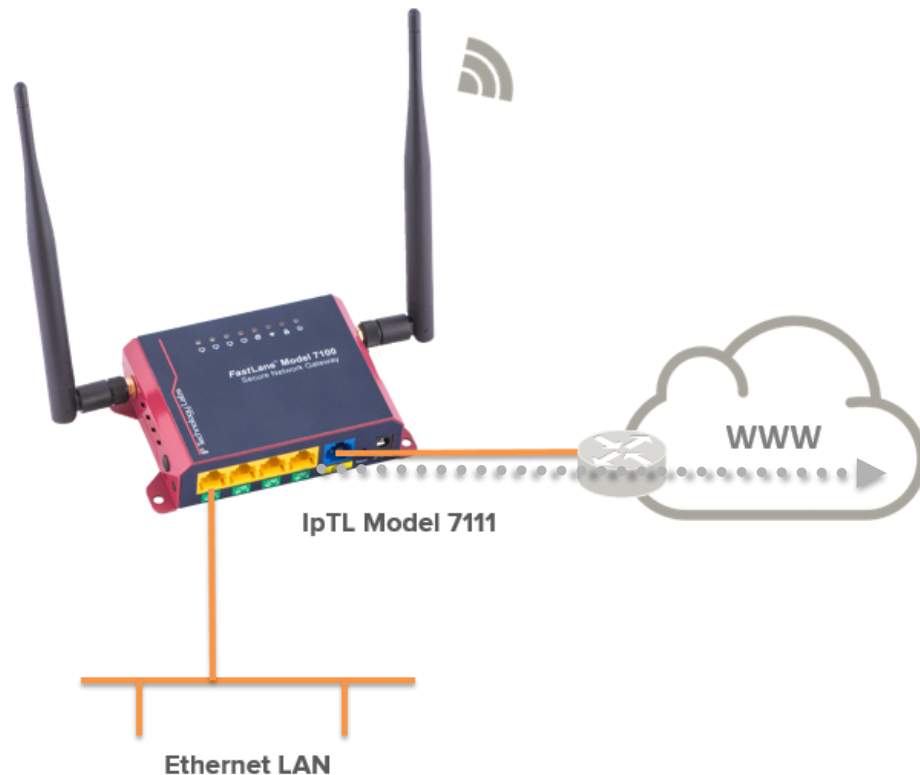
802.11n Wi-Fi Access Point

Full Access Router

DHCP server/client

DNS server/client

Firewall SPI & ACL's

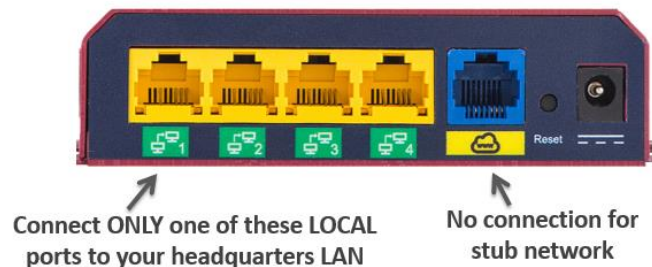
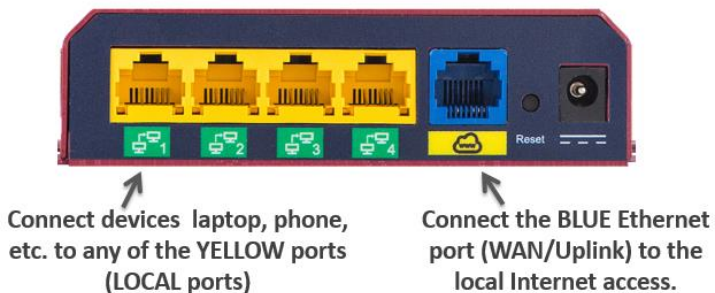


Point-to-Point AutoConnect™ L2 LAN Extension

Simple Site-2-Site Ethernet L2 LAN Extension



Secure L2 Tunnel – Ethernet Transport



Q & A

Q: I've used the Model 71LW before, can the Model 7111 be used instead?

A: Yes, the 7111 is the replacement for the 71LW and adds more functionality and a robust metal enclosure.

Q: Can I connect a 7111 to a 71LW or vice-versa?

A: Yes, the firmware is fully compatible in either server or remote modes.

Q: Is the management interface different than the 71LW?

A: No, the management and configuration are the same.

Q & A

Q: Can I use the Wi-Fi as an uplink to a local Hotspot?

A: Yes, you can use the Wi-Fi to connect to another access point or hotspot.

Q: Can I have a local access point and use the Wi-Fi uplink at the same time?

A: Yes, you can create your own private Hotspot and use the uplink at the same time.

Q: Can I use the Wi-Fi for a fail-over or backup?

A: Yes, you can automatically switch to Wi-Fi for the uplink and create the tunnel over that link.

What can you do with IpTL Appliances

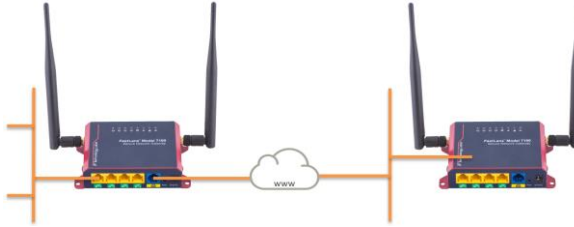
- **Easily & Quickly connect** offices together – including VoIP
- **Encrypt Video** RTSP end-to-end – control device access
- Provide **remote network access** to your customer's network without changing their Router, Network, or using "TeamViewer"
- **Connect and View cameras** remotely without a P2P or Relay Server
- **Prevent spoofing, snooping, and tampering of devices**
- Easily and securely **connect physical devices to "the cloud"**
- Provide **High-Availability** with the fastest Failover/Restore Solution



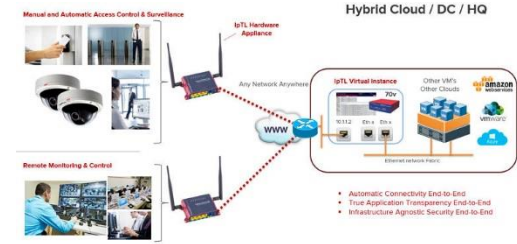
Application Areas for IpTL



Ethernet Extension and
Secure Ethernet LAN over
the Internet



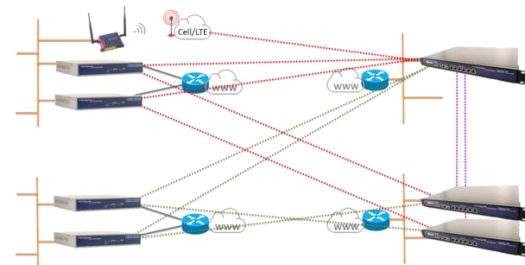
Network Access Control &
Infrastructure Security



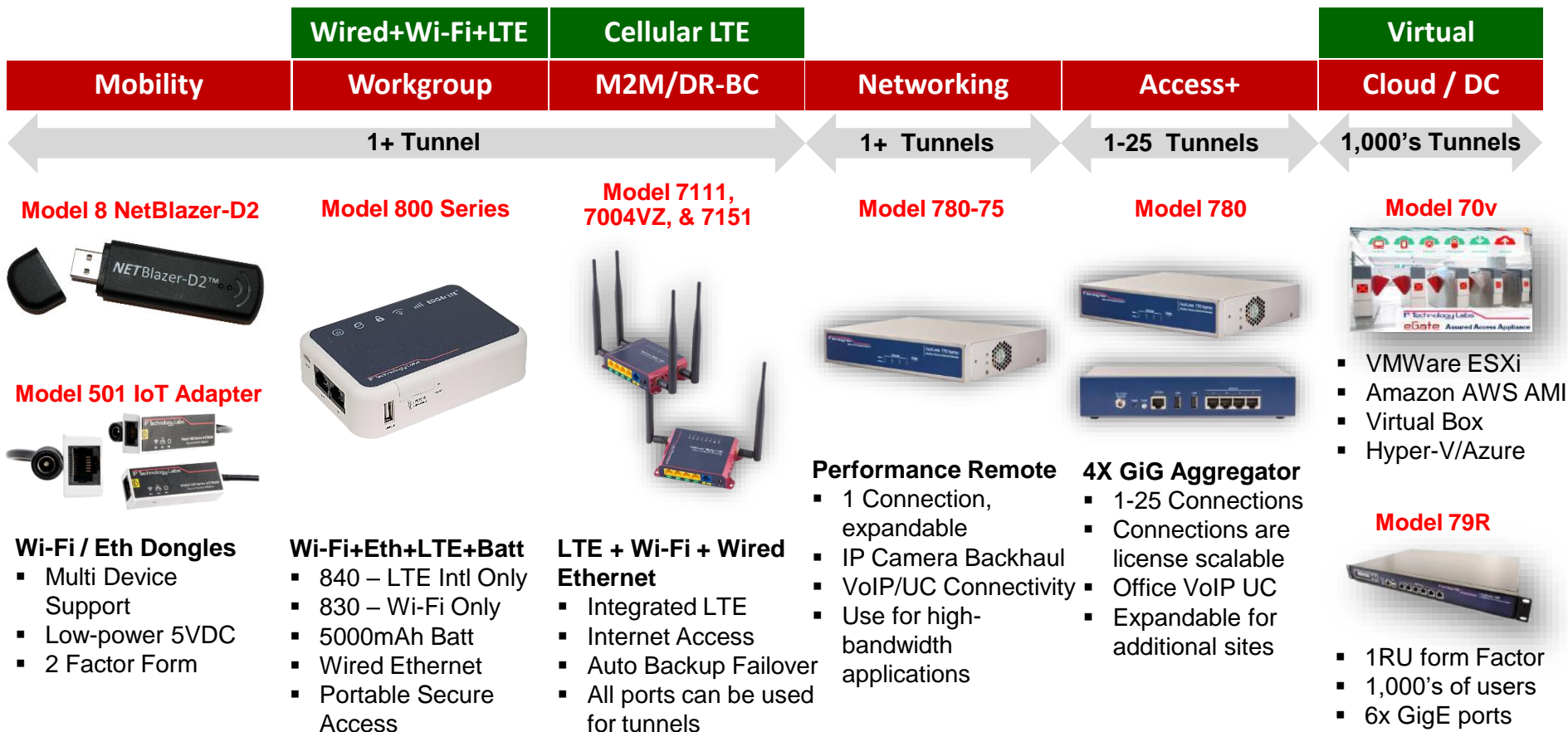
Secure Remote Access for
Devices, IoT, & OT



Cellular Connectivity &
Failover for any WAN



Scalable 1 to 1,000 of Networks- Endpoints, Servers, & Cloud



Why to Buy - How Does It Compare?

6

6 Reasons to Consider IpTL

Easiest Tunneling

Superior Connectivity

Highest Availability

Best Management

Highest Security

Best Privacy

VPN for IP Cams, Access Control, Alarms, & Ethernet OT

End-to-End even with Dynamic IP

Redundancy, & Resilience

Full-touch out-of-band access

Integrated device-based 2-Factor NAC attribution

Not a P2P service - data is direct between your sites

The table is a detailed comparison of various network solutions across multiple categories. The columns represent different features or metrics, and the rows represent different solutions. The table is mostly red, with some blue highlights indicating specific features or statuses. The categories include:

- VPN for IP Cams, Access Control, Alarms, & Ethernet OT
- End-to-End even with Dynamic IP
- Redundancy, & Resilience
- Full-touch out-of-band access
- Integrated device-based 2-Factor NAC attribution
- Not a P2P service - data is direct between your sites

...while lowering all costs, decreasing rollout time, & removes deployment risks and delays

Thank you for your Attention!

**Email: sales@IpTechnologyLabs.com
Tel: +1 301 570 6611 x601**