IP Technology Labs

Network Communications Simplified™

Our Compelling Value Proposition

What is unique about IpTL *Fast*Lane™ appliances

IpTL's vision has always been about Secure Connectivity Simplified™. Our vision is stateless connectivity™ -- Not just connecting people, places, and things. As there is a major market move to the datacenter and the cloud, issues of secure connectivity are rising to the top. IpTL has identified issues faced by the market wherever there is cloud, hybrid cloud, IoT, or remote access networking.

Not everything is a "web app" and connecting infrastructure devices and applications is troublesome. Web apps with built-in security is often vulnerable, and permitting access to a headend cloud further opens vulnerabilities. All these block business, productivity, and profits.

Issue	Problem
Unworkable (Business Process blocks)	▪ Many firms won't adjust or open a firewall in order to support remote access. This can be BC/DR cloud services, IP Cameras, or Access Control systems ▪ Some lack the knowledge on how to do it ▪ Some lack the will or ability as another department "wont" do it or they don't even know who the "guy" is that could do the change.
Unavoidable (Governance/Regulatory drivers)	▪ Critical Infrastructure Protection (HSPD-7/CIP/EPCIP) PDD63/NIST/NERC/FERC) ▪ PCI for card payment industry ▪ Sarbanes-Oxley/ISAC
Urgent (Top priority for a firm)	▪ How to lower WAN Costs ▪ Enabling connectivity solution (e.g. G4S, General Dynamics, Honeywell) ▪ Business continuity/operations redundancy ▪ Missing competency to solve networking issues
Underserved (No alternative valid solutions)	▪ One-off, fragmented, or piecemeal solutions ▪ Serve only one application type (e.g. user remote access, site-to-site, etc.) ▪ Traditional solutions are not transparent to the network; block due to implementation ▪ Difficult to implement traditional solutions (NewCo is easy to use)

IpTL enables business. IpTL's software demonstrates the difference in its software and delivers on simplified and secure networking. The IpTL Difference are features not found in a single provided solution big-box or software vendor in the market today. Prior to IpTL, the answer is to "cobble" one-off solutions which address specific challenges and leads to a rats-nest of systems. IpTL's software and software-on-hardware products covers this market white-space with transparent, secure, automatic, redundant, and manageable solution. Here are the unique IpTL benefits:

Principal Activity	IpTL Difference (Unique to **IpTL**- *no one else has*)	Demonstrated Benefit
Access	▪ Connectivity over ANY network ▪ NewCo's Patented AutoConnect™ provides touchless direct links	▪ Connects over Dynamic IP, Cellular, and Firewall/NAT, Wi-Fi networks ▪ Customer data never goes through a 3rd party cloud server
Networking	▪ The complete network is available as it is locally ▪ Completely transparent to network applications ▪ Supports non-TCP/UDP or IP based networks or application based networks like IoT/SCADA ▪ Supports overlapping networks with IP-Share™ ▪ Permits remote logon to local Active Domain controller and policy push	▪ No blockages due to addressing mis-matches or incompatibilities ▪ Connects any device, any application, from the remote to the cloud ▪ No need to have multiple domain login controllers or multiple locations for security policies
Management/Operations	▪ Full positive control of endpoints with separate out-of-band link through either web interface and/or direct-IP control ▪ SDN (software defined networking) orchestration for directly programmable networking and control	▪ Complete remote control fielded instances, just like it was sitting on your desk ▪ Breaks apart application, control, & infrastructure ▪ Network intelligence is logically centralized giving control end-to-end
Application Continuity & Bandwidth optimization	▪ Persistent & automatic redundancy protection without breaking existing applications ▪ Bond links to aggregate bandwidth with N-to-N protection ▪ No data loss on failover or in poor network environments ▪ Logical link aggregation	▪ Active/Active redundancy without extra gear, special networking or telecom complications ▪ Gives applications the secure bandwidth even if the network is weak ▪ Not limited to hardware "ports" but network connections
Security	▪ Out-of-the-box Strong transport and end-point Identity ▪ Hardened configurations and implementation with highest-level standards ▪ Datapath obfuscation	▪ All dynamic architecture eliminates mismatches ▪ Provides ubiquitous security to all applications devices regardless of their own security ▪ Eliminate "fingerprints" of security association or "guessing" of underlying data

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