Monitoring Solution for High-Speed 100G Networks
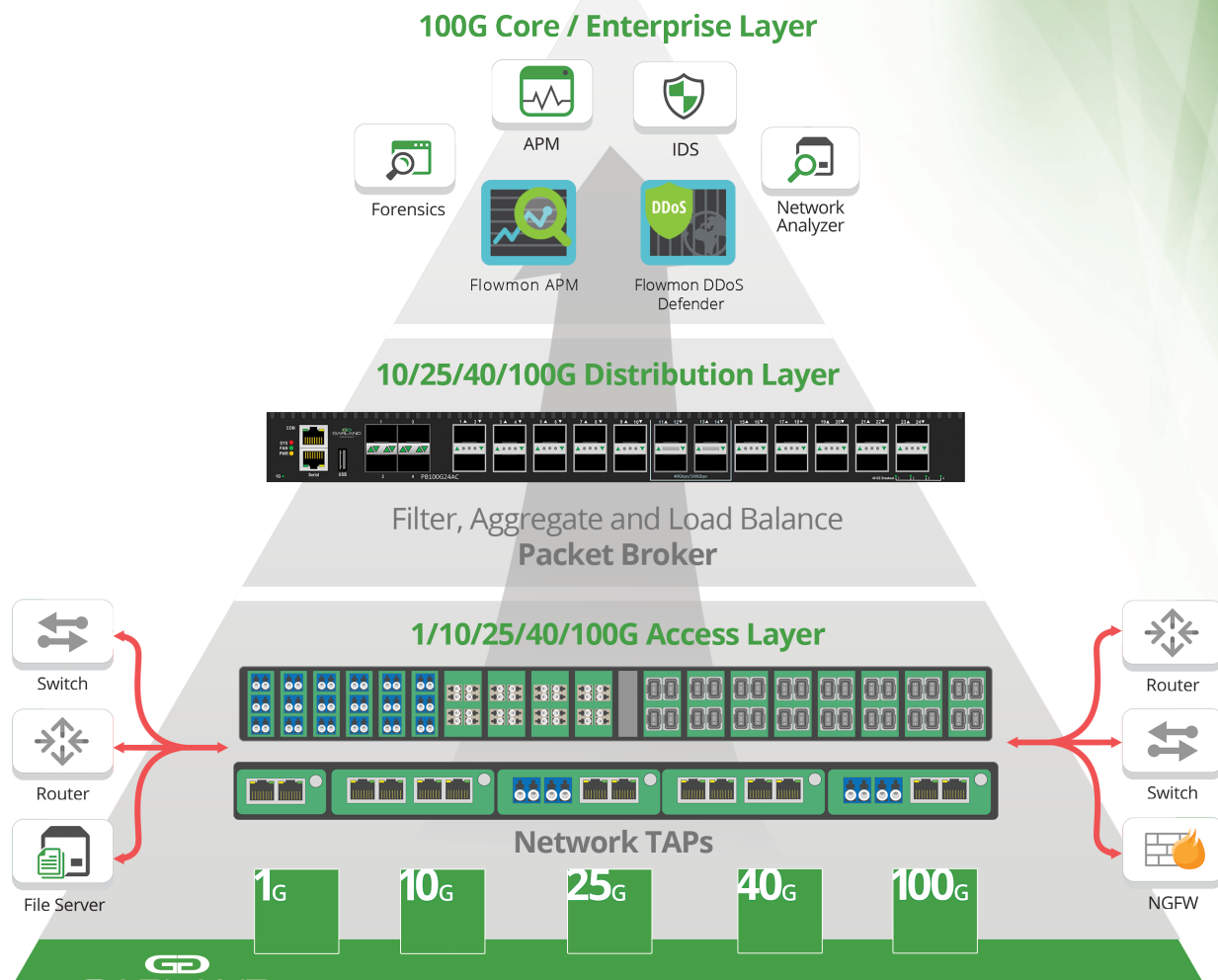## Using Flowmon Probes with Garland's 1U Passive Fiber Modular Chassis

100G Core / Enterprise Layer

Forensics   APM   IDS   Network Analyzer

Flowmon APM   Flowmon DDoS Defender

10/25/40/100G Distribution Layer

Filter, Aggregate and Load Balance
Packet Broker

1/10/25/40/100G Access Layer

Switch   Router   File Server

Router   Switch   NGFW
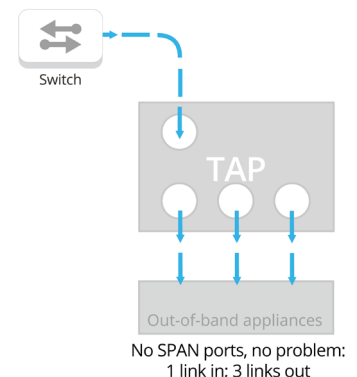
Network TAPs

1G   10G   25G   40G   100G

Joint Solution Overview

Flowmon Probes' monitors network traffic using Garland's passive network TAPs to ensure 100% of packets captured feeds the Flowmon solution without dropping packets. This architecture is critical in addressing the challenges of monitoring and security of high-speed data center networks. Network TAPs are mirroring traffic to wire-speed Flowmon Probes.

Garland's 1U Passive Fiber Modular Chassis:

· Tested and certified network TAPs in 1G/10G/25G/40G/100G speeds

· Reliable connectivity for Flowmon solutions; provides 100% traffic visibility

· Customize network TAPs to your network needs

· Scalable design; change network TAP media and speeds on the fly or in the future

· Supports single-mode and multi-mode

· Available split ratios of: 90/10, 80/20, 50/50, 70/30, 60/40

· No power, no heat, no IP address, no MAC address - 100% passive

Network test access points (TAPs) are the approved and recommended hardware tool that allows you to monitor your Flowmon APM or DDoS Probes. All passive fiber network TAPs are purpose-built hardware devices that make a 100% copy of your

Switch

TAP

Out-of-band appliances

No SPAN ports, no problem:
1 link in; 3 links out

Have Questions?

sales@garlandtechnology.com
+716.242.8500
garlandtechnology.com

ISP/Data Center Monitoring Solution

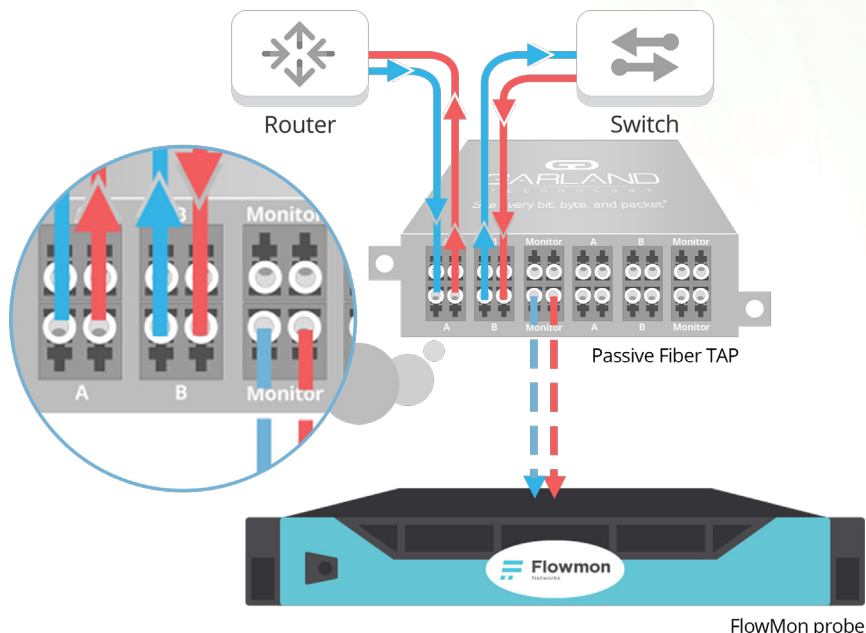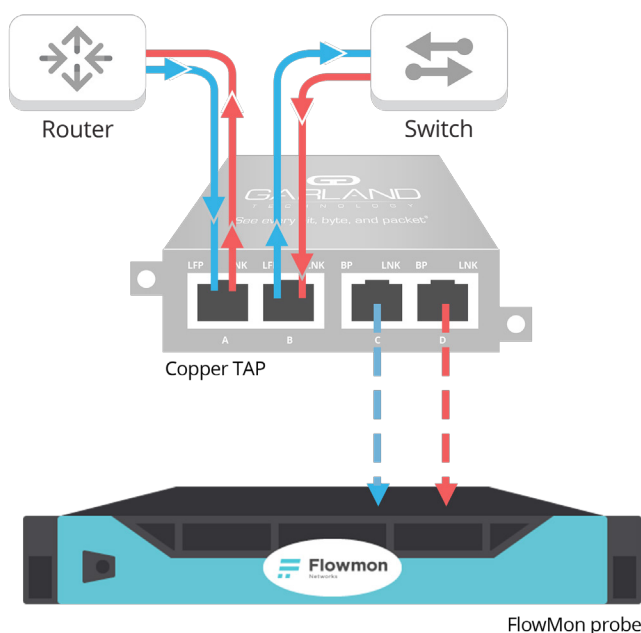Using Flowmon Probes with Garland's Passive Network TAPs

Flowmon Probe

Flowmon Probes deliver network engineers detailed and accurate information about who communicates with whom, when, how long, how often, how much data has been sent and much more information from the L2 – L4 layers. This information is crucial to ensure network security, troubleshooting, network capacity planning, peering and SLA compliance, monitoring of users and devices and other use cases. Additionally, Flowmon Probes provide advanced application layer visibility (L7) which opens up completely new possibilities allowing administrators to monitor not only network performance, but also enhance user experience and optimize MS SQL database performance.
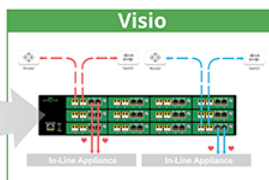
Key facts about probes:
- Versatile and flexible network appliances
- Monitoring ports convert packets to flows
- Un-sampled export in NetFlow v5/v9 or IPFIX
- Wire-speed, L2-L7 visibility, PCAPs when needed

Flowmon Networks

Garland Technology Network TAPs
A Certified Flowmon Solution

Router   Switch
Copper TAP
FlowMon probe

Router   Switch
Passive Fiber TAP
FlowMon probe

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