GARLAND
TECHNOLOGY
See every bit, byte, and packet®

Edge-corE®
NETWORKS

End-to-End SDN Visibility Solutions

Edgecore Networks provides open networking solutions consisting of bare-metal hardware switches and access products with a choice of independent commercial and open source software options for applications such as SDN, Network Analytics, Virtualized Networks, Data Center network fabrics, and open access networks. Cloud data center operators and leading enterprises have been deploying open network solutions for several years and realizing the benefits of:

· Reduced network equipment expenses
· Automated and accelerated provisioning of network capacity and services
· Greater control over the development of enhanced network services
· Flexibility to work with best-in-class suppliers and reduced operating expenses

These Open Networking benefits are now available for many more networking use cases. Public and private cloud data centers of all sizes are being deployed with network fabric built from open leaf and spine switches. Edge-core Networks offers choices of hardware to meet Open Network deployment, from 1G, 10G, 25G and 40G, to 100G.

Network test access points (TAPs) are the approved and recommended hardware tool that allows you to monitor your network monitoring fabric. Garland Technology's best in class passive fiber, optical network TAPs are purpose-built hardware devices that make a 100% copy of your network's data providing your monitoring tools 100% visibility.
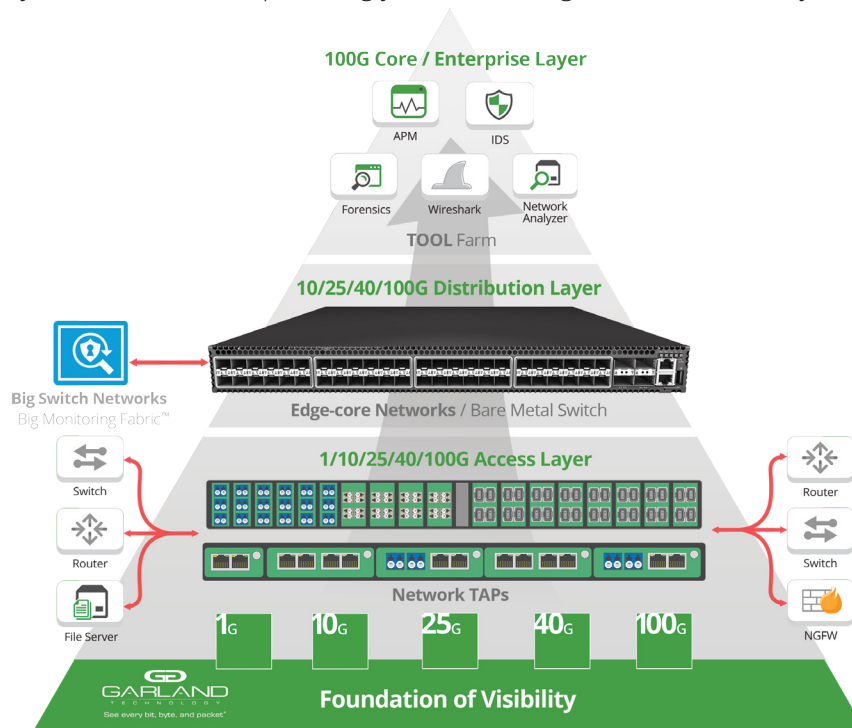
The Importance of Visibility with SDN

Centralized control of traffic flows is critical for monitoring 10G, 25G, 40G and 100G networks. But before implementing SDN, network architects must ensure that they have a solid visibility plane that ensures 100% of packets will be seen by the SDN controller.

To achieve complete transparency with application monitoring tools, network architects must account for solutions and functions such as:

· Network analyzers
· Computer forensic analysis & data capture
· Data leakage prevention (DLP)
· Intrusion detection

· Bandwidth management
· Content filtering
· Lawful interception
· Data recording

Keep In Mind

1. SDN decouples the data plane from the control plane

2. Visibility is required for both the data plane and the control plane

Have Questions?

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Part Number Mapping: SDN Visibility Solutions

Software Vendor and Release	100G		40G		10G						1G	
EdgeCore P/N#	AS7716-32X	AS7712-32X	AS6812-32X	AS6712-32X	AS5912-54X	AS5812-54X	AS5812-54T	AS5712-54X	AS5710-54X	AS5610-52X	AS4610-54T	AS4610-30T
ONIE	O	O	O	O	O	O	O	O	O	O	O	O
Cumulus		CL 3.1 - 3.3	CL 3.2-3.3	CL 2.5.3 - 3.3		CL 3.2 - 3.3	CL 3.2 - 3.3	CL 2.5.1 - 3.3		CL 2.0.1 - 2.5.X	CL 2.5.4 - 3.3	
Big Mon Fabric		5.6.0 - 5.8.2	5.8.2	5.5.0 - 5.8.2		5.8.2	5.8.2	5.5.0 - 5.8.2	5.0.0 - 8.5.2	5.0.0 - 8.5.2		
Big Cloud Fabric			3.6.0 - 4.0.0	3.6.0 - 4.0.0		3.6.0 - 4.0.0	3.7.0 - 4.0.0	3.6.0 - 4.0.0	3.6.0 - 4.0.0			
ONL	O	O	O	O		O	O	O	O	O	O	
PicOS		2.7.1		2.6.4		2.8.0	2.8.0	2.6.0		2.4 - 2.9	2.6.2	2.6.4
IPInfusion		O			O	O						
Pluribus	O			O				O	O			
OpenSwitch		O		O				O				
SnapRoute	O	O	O	O		O	O	O			O	
Garland TAP Solutions	100G-SR10 MTP - 24		40G/100G-SR 4 MTP - 12								10/100M Copper	
			40G-SR-BiDi									
					1G/10G Multi-mode Fiber TAPs							
	1G, 10G, 40G, 100G - Modular Fiber Chassis - Accommodates all network speeds											
	1G, 10G, 40G, and 100G Single-mode Fiber TAPs											
Garland Pluggables	(32) QSFP28		(32) QSFP+	(32) QSFP+	(6) QSFP28	(6) QSFP	(6) QSFP	(6) QSFP	(6) QSFP	(4) QSFP+	(2) QSFP+	(2) QSFP+
	(2) QSFP28-4SFP28-Cable_1				(48) SFP+	(48) SFP+	(48) RJ-45	(48) SFP+	(48) SFP+	(48) SFP+	(4) SFP+	(4) SFP+
											(48) RJ-45	(24) RJ-45

Garland Technology
Network TAPs & Pluggables

+

Monitoring Fabric
Freedom of Choice

+

Edge-core Networks
Bare Metal Switch

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