GARLAND
TECHNOLOGY

See every bit, byte, and packet®

PacketMAX™: Advanced Features

Time Stamping | Packet Slicing | Filtering, Aggregation & Load Balancing

PacketMAX™: Advanced Features are part of Garland Technology's purpose-built network packet broker lines. These Advanced Features appliances are built to extend the feature set of any product. The system is designed to support NTP time stamping, packet slicing, traffic aggregation, GRE Tunneling, hash-based load balancing, and round-robin distribution. Adding these features to your existing infrastructure, can significantly reduce the processing overhead from security or monitoring tools.

Garland's Advanced Features are scalable and flexible, offering a wide range of options to meet your needs. With available speeds from 1G / 10G / 40G / 100G, and GRE, L2GRE, ERSPAN, VxLAN Tunneling all included with no additional per-port license fees, you have the ability to deploy what features you need, when you need it.

We believe that securing and monitoring your network is the ultimate goal. Network packet brokers are critical to accomplishing that goal providing management of network traffic from multiple links to optimize the performance of your network monitoring and security tools.

APPLICATIONS

• Adding advanced features to existing equipment

• Aggregation of multiple TAP/SPAN ports for increased utilization

• Connect to Network Packet Broker or directly to tools

FILTERS HIGHLIGHTS:

• Layer 2–4 filtering [4,000 filter rules]
• IPv4, MAC, L4Port, VLAN, Ethertype, IP protocol
• Supports VXLAN decapsulation/ encapsulation
• Supports VLAN stripping, QinQ support
• Full line rate filtering
• Packet modification

Key Features

- Supports 10M/100M/1G/10G/40G/100G
- Time stamping
- Packet slicing
- High density filtering, aggregation, replication, hash-based load balancing / round-robin distribution
- Aggregate network traffic to a single or multiple tools (1:1, 1:N, N:1, N:N)
- Ingress filter support IPv4, IPv6 and UDF L2, L3 and L4
- Egress filter support IPv4, IPv6
- MPLS support (strip up to 9 MPLS labels, filter up to 3 MPLS labels)
- Tunnel Encapsulate GRE, L2GRE, VxLAN, ERSPAN
- Tunnel Decapsulate GRE, L2GRE, ERSPAN, VxLAN

- Restful API
- NETflow/IPFix support
- NTP support
- sFlow support
- Flow statistics
- Link Flapping support
- PPPoE support
- Supports jumbo frames
- Passes physical layer errors
- Port splitting functionality
- RADIUS and TACACS authentication
- Remote management CLI, GUI, and SSH
- Remote monitoring Syslog, SNMPv2c, SNMPv3 MD5/DES, SNMPv3 SHA/AES
- Hot swappable, dual power supplies, AC standard, DC available
- Remove, edit, and add VLAN (802.1Q)

Competitive Edge

• Scalability and Flexibility: Modular solutions for future growth

• Multi-source agreement (MSA) transceivers/optics support, no vendor lock-in

• No additional port/feature license fees

• Simple: With easy set management, or by incorporating Restful API, focus on the tools

TESTED CERTIFIED GUARANTEED

Have Questions?

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Design-IT Demo
garlandtechnology.com/design-it

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Advanced Features options

Model #	Ports	Network Speed	1G Port	1/10G Port	40G Port	100G Port	Power
AF1G40AC		10/100/1000M (1G), 10G	(24) RJ-45	(16) SFP+	–	–	AC 55W
AF1G40DC		10/100/1000M (1G), 10G	(24) RJ-45	(16) SFP+	–	–	DC 70W
AF1G52AC		10/100/1000M (1G), 10G	(48) RJ-45	(4) SFP+	–	–	AC
AF10G72AC		10/40/100G	-	(48) SFP+	(2) QSFP+	(4) QSFP28	AC 150W
AF10G72DC		10/40/100G	-	(48) SFP+	(2) QSFP+	(4) QSFP28	DC 190W
AF40G24AC		10/40/100G	-	-	(20) QSFP+	(4) QSFP28	AC 120W
AF40G24DC		10/40/100G	-	-	(20) QSFP+	(4) QSFP28	DC 160W
AF1G12AC-OT		1/10G	(8) RJ-45	(4) SFP+	-	-	AC

Available Pluggables & Cables:

Model #	Description
SFPTX	SFP 10/100/1000 Copper RJ-45 Connector
SFPSX	SFP 1000Base-SX Multi-Mode Fiber LC Connector
SFPLX	SFP 1000Base-LX Single Mode Fiber LC Connector
SFP+SR	SFP+ Dual Speed 1 Gigabit-SX / 10 Gigabit-SR Multi-Mode Fiber LC Connector
SFP+LR	SFP+ Dual Speed 1 Gigabit-LX / 10 Gigabit-LR Single Mode Fiber LC Connector
SFP+SR10	SFP+ 10Gigabit-SR Multi-Mode Fiber LC Connector - only supports 10G
SFP+LR10	SFP+ 10Gigabit-LR Multi-Mode Fiber LC Connector - only supports 10G
QSFP+40G	QSFP+ 40 Gigabit-SR Multi-Mode Fiber MPO/MTP-12 Connector
QSFP+40G-LR4	QSFP+LR Single-Mode Fiber LC Connector
QSFP+40GBiDi	QSFP+ 40Gigabit-SR-BiDi Multi-Mode Fiber LC Connector
QSFP-4SFP+_1	Direct Attached Copper Cable QSFP+ to 4x 10Gb SFP+, Pre-Cut 1 Meter
TWINAX1M*	Twinax Copper Direct Connect Cable SFP+ 10Gigabit 1 Meter

1U Chassis Specifications:

Support for: SFP, SFP+ (SR, LR, ER)
Operating Temp:
0°C ~ 45°C (32°F ~ 113°F) - Long Term
-5°C ~ 55°C (23°F ~ 131°F) - Short Term
Operating Humidity: 0% ~ 95% non-condensing
Airflow: Front to back
Dimensions (H x W x D): 1.73" x 17.5" x 13.8"
(43.94mm x 444.5mm x 350.52mm)