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 access and management of network traffic from multiple links to optimize the performance your of network monitoring and security tools.

Key Features

• Supports 1G/10G/40G/100G
• NTP 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)
• Tunnel Encapsulate [GRE, L2GRE]
• Tunnel Decapsulate [GRE, L2GRE, ERSPAN, VxLAN]
• IPv4 and UDF Filter support
• sFlow Support
• Supports jumbo frames
• Passes physical layer errors
• Port splitting functionality
• Hot swappable, dual power supplies, AC standard, DC available
• Remote management [CLI, GUI, and SNMP]
• RADIUS and TACACS authentication
• Restful API

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

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
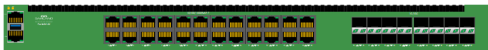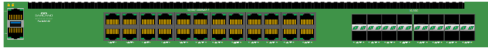
TESTED
CERTIFIED
GUARANTEED

Have Questions?

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Advanced Features options

Model #	Ports	Network Speed	1G Port	1/10G Port	40G Port	100G Port	Power
AF1G40AC		1/10G	(24) RJ-45	(16) SFP+	–	–	AC 55W
AF1G40DC		1/10G	(24) RJ-45	(16) SFP+	–	–	DC 70W
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

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

AF1G40AC/DC
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)

AF10G72AC/DC
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)

AF40G24AC/DC
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"
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Network TAPs + Packet Brokers + Inline Edge + Cloud Visibility | GarlandTechnology.com | +1 (716) 242.8500 | sales@garlandtechnology.com

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