GARLAND TECHNOLOGY

See every bit, byte, and packet®

1G 10G 40G 100G

DATA SHEET

PacketMAX™: Advanced Features

1G/10G/40G/100G | Advanced Feature Node | Time Stamping | Packet Slicing

The PacketMAX™: Advanced Features is an advanced feature service node; a purpose built standalone tool to extend the feature set of any product. The system is designed to support NTP time stamping, packet slicing, traffic aggregation, GRE Termination, hash-based load balancing, and round-robin distribution. Adding these features can significantly reduce the processing overhead from security or monitoring tools.

Key Features

- NTP Time Stamping
- Packet Slicing
- GRE Termination
- ERSPAN Termination
- Hash-based and round-robin load balancing
- High Density filtering, aggregation, and load balancing
- Aggregate network traffic to a single or multiple tools (1:1, 1:N, N:1, N:N)
- 4,000 filter rules
- sFlow Support
- Supports 1G/10G/40G/100G network speeds
- 24 fully supported ports - no additional per-port license fees
- Port splitting functionality
- IPv4 and UDF Filter support
- Supports jumbo frames
- Passes physical layer errors
- Hot swappable, dual power supplies, AC standard, DC available
- Management through CLI, GUI, and SNMP
- RADIUS and TACACS authentication
- Restful API

FILTERS:

- User defined filters for Layer 2, 3, and 4
- IPv4, MAC, L4Port, VLAN, Ethertype, IP protocol
- Supports VXLAN decapsulation/encapsulation
- Supports VLAN stripping, QinQ support
- Full line rate filtering
- Packet modification

Solutions:

Garland's PacketMAX™: Advanced Features is ideal for:

- Adding advanced features to existing equipment
- Supplementing features of new installs

Competitive Edge

- Purpose built aggregation device
- Full L2-L4 filter support
- High density system, up to 16x1G ports
- High density system, up to 72x10G ports
- High density system, up to 96x10G ports
- VLAN tagging and stripping

TESTED CERTIFIED GUARANTEED

Have Questions?

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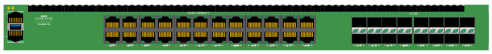
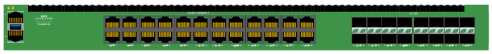
PacketMAX™: Advanced Features

1G/10G/40G/100G | Scalable packet processing system

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

1U Chassis Specifications:

Support for: SFP, SFP+ (SR, LR, ER)
4ns time stamp resolution: 8ns

Operating Temp. 0 to 45 ºC (Long term) -5 to 55 ºC (Short term)
Operating Humidity: 0 to 95% (non-condensing)
Airflow: front to back
Voltage: AC: 100v - 240v 50/60Hz

PacketMAX™: 1G Advanced Features **Dimensions:**
1.73"H x 17.5"W x 13.8"D
(43.942 mm H x 444.5mm W x 350.52mm D)

PacketMAX™: 10G Advanced Features **Dimensions:**
1.73"H x 17.5"W x 18.5"D
(43.942 mm H x 444.5mm W x 469.9mm D)

PacketMAX™: 40G Advanced Features **Dimensions:**
1.73"H x 17.5"W x 18.5"D
(43.942 mm H x 444.5mm W x 469.9mm D)

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