

PacketMAX™: 10G Advanced Features

4x10G | Scalable packet processing system



The PacketMAX™: 10G Advanced Features is an advanced feature node, designed as a standalone platform to extend the feature set of any product. The system is designed to support large window deduplication, packet slicing and time stamping. Deduplication and packet slicing can significantly reduce the processing overhead from security or monitoring tools.

The 4x10G SFP+ ports support SR, LR, and ER MSA compliant transceivers.

Key Features

- FPGA Based design for increased flexibility
- Large window deduplication (4M packet window, 250ms for an average size of 256B)
- NTP Time stamping
- Configurable time stamping format
- Additional 1 PPS input for GPS or CDMA receiver used to discipline the PLL
- Timing Options: GPS (via SMA), PPS (via MCX), IEEE-1588/PTP (via RJ45), Optional OCXO
- 4ns time stamp resolution
- Fully configurable packet slicing from 64-9000B
- Intuitive CLI for configuration
- Designed, tested and certified in the USA

Applications

- Extend the feature set of Garland's Advanced Aggregators or any existing infrastructure
- Reduce the load to security or monitoring tools by removing duplicate packets introduced by SPAN ports
- Reduce the volume of traffic by keeping only important header information
- Add time stamps to any or all packets for increased understanding of latency and distortions within the visibility fabric
- Extending the life of existing security and monitoring tools by reducing traffic volume

Solutions:

- Garlands AF10G4AC is ideal for:
- Adding advanced features to existing equipment
 - Supplementing features of new installs

Competitive Edge

- Full 4x10G Line rate support
- 250ms deduplication window
- High resolution time stamping
- No annual feature license fee
- Tested and Certified





Have Questions?

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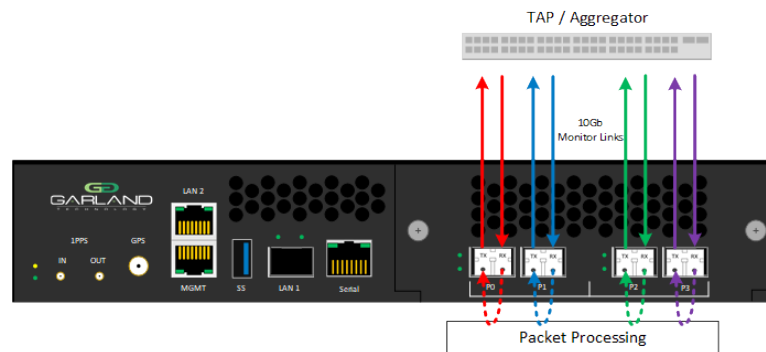
Model #		Network Speed	Ports	Power	Watts
AF10G4AC		10G	(4) SFP+	1+1 redundant AC power supplies	135W
AF10G4DC		10G	(4) SFP+	1+1 redundant DC power supplies	135W

Available Pluggables & Cables	
Model #	Description
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

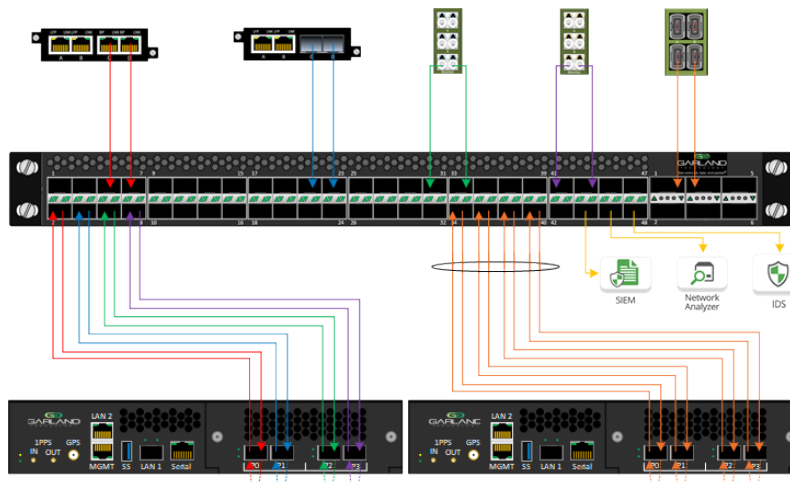
Specifications:

Power Consumption: 135w max
 Operating Temp: 0C to 50C / +32F to +122F
 Operating Humidity: 0%-95% non-condensing
 Chassis Dimensions: 1.75"H x 12.28"W x 14"D (44.5mm H x 209.6mm W x 355.6mm D)

Traffic Flow



Use Case



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