

PacketMAX™: Advanced Features

Deduplication | 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 deduplication. 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 / 25G / 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.

Key Features •

- Supports 1G/10G/25G/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
- Large window deduplication
- 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)

APPLICATIONS

- Adding advanced features to existing equipment
- Supplementing features of new installs
- Connect to Network Packet Broker or directly to tools

HIGHLIGHTS:

- Layer 2–4 filtering
- IPv4, MAC, L4Port, VLAN, Ethertype, IP protocol
- Supports VXLAN decapsulation/encapsulation
- Supports VLAN stripping
- Supports De-Sensitive (masking) L2/L3/L4
- Passes physical layer errors

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
- Deduplication





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/10G/25G Port | 40G/100G Port | Power |
| AF25G80DAC |  | 1G/10G/25G/40G/100G | 48 | 8 | AC |
| AF25G80DDC |  | 1G/10G/25G/40G/100G | 48 | 8 | DC |

Specifications:

Support for: SFP, SFP+ (SR, LR, ER)

Operating Temp: 0°C ~ 45°C (32°F ~ 113°F)

Storage Temperature: 40°C ~ 70°C (104°F ~ 156°F)

Relative Humidity: 0 to 95% (non-condensing)

Air Flow Option: Front to Rear

Hot Swappable Fans: 4

Max Power Draw: 400W

Dimensions (H×W×D): 1.73" x 17.5" x 18.9" (43.942mm x 444.5mm x 480.06mm)

Weight: 22.05 lbs. (10.0 kg) {include 2 power modules}



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GarlandTechnology.com

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