GARLAND
TECHNOLOGY
See every bit, byte, and packet.®

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 to 40G, 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

• 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 & tagging
• On Demand Monitor Capture
• Passes physical layer errors

Key Features

- Supports 10M, 100M, 1000M, 1G, 10G, 25G, 40G
- 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
- 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 subscription fees
• Deduplication
• View Duplicate Packets

TESTED
CERTIFIED
GUARANTEED

Have Questions?
sales@garlandtechnology.com
+716.242.8500
garlandtechnology.com

Design-IT Demo
garlandtechnology.com/design-it
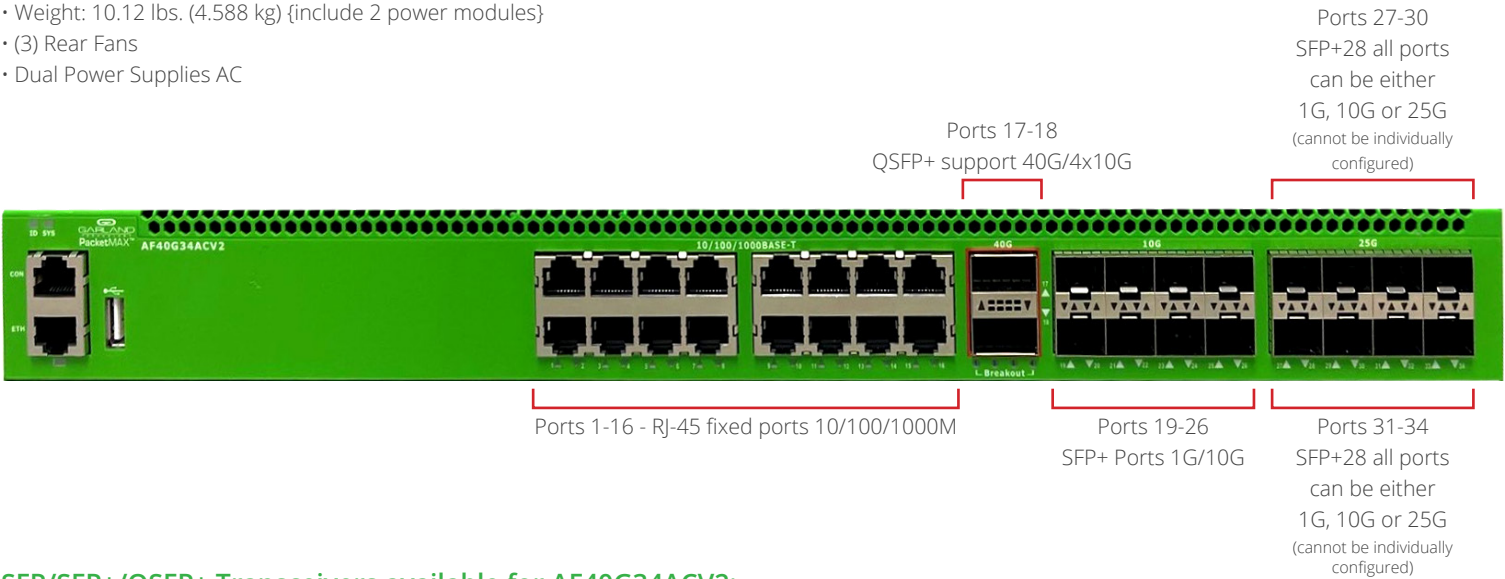
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Advanced Features options				
Model #	**Ports**	**Network Speed**	**Ports**	**Power**
AF40G34ACV2		10M / 100M / 1000M	16 (Ports 1-16)	AC
		40G / 4x10G	2 (Ports 17-18)	
		1G / 10G	8 (Ports 19-26)	
		1G / 10G / 25G	8 (Ports 27-34)	

The port speed for ports 27-34 must be configured in port groups.

Specifications:
• Support for: SFP, SFP+ (SR, LR, ER)
• Operating Temp: 0°C ~ 45°C (32°F ~ 113°F)
• Storage Temperature: -40°C ~ 70°C (-40°F ~ 156°F)
• Relative Humidity: 0 to 95% (non-condensing)
• Air Flow Option: Front to Rear
• Max Power Draw: 67W
• Dimensions (H×W×D): 1.75" x 17.375" x 12.875" (44.45mm x 441.325mm x 327.025 mm)
• Weight: 10.12 lbs. (4.588 kg) {include 2 power modules}
• (3) Rear Fans
• Dual Power Supplies AC

Ports 27-30
SFP+28 all ports
can be either
1G, 10G or 25G
(cannot be individually
configured)

Ports 17-18
QSFP+ support 40G/4x10G

Ports 1-16 - RJ-45 fixed ports 10/100/1000M

Ports 19-26
SFP+ Ports 1G/10G

Ports 31-34
SFP+28 all ports
can be either
1G, 10G or 25G
(cannot be individually
configured)

SFP/SFP+/QSFP+ Transceivers available for AF40G34ACV2:

SFPTX_T: SFP 10/100/1000 Copper RJ-45 Connector, TAA Compliant
SFPSX_T: SFP 1000Base-SX MMF LC Connector, TAA Compliant
SFPLX_T: SFP 1000Base-LX SMF LC Connector, TAA Compliant
SFP+T_T: SFP+ 1G-TX / 10G-T Copper RJ-45 Connector, TAA Compliant
SFP+SR_T: SFP+ 1G-SX / 10G-SR MMF LC Connector, TAA Compliant
SFP+LR_T: SFP+ 1G-LX / 10G-LR SMF LC Connector, TAA Compliant

SFP28_SR25G_T: SFP28 25G-SR MMF LC Connector TAA Compliant
SFP28_LR25G_T: SFP28 25G-LR SMF LC Connector TAA Complaint
QSFP+40G_T: QSFP+ 40G-SR MMF MPO/MTP-12 Connector TAA Compliant
QSFP+40-LR4_T: QSFP+ 40G-LR4 10km 1310nm SMF LC Connector, TAA Compliant
QSFP+10GLR_T: QSFP+ 4x10G-LR/LW QSFP+ SMF MPO12 Connector, 10km
supporting Tx/Rx, TAA Compliant