GARLAND
T E C H N O L O G Y

See every bit, byte, and packet®

AF40G34ACV2 Network Packet Broker
10M-40G | Deduplication | Packet Slicing | Filtering, Aggregation & Load Balancing

IT teams deploy multiple security and monitoring tools that require access to network traffic for analysis, threat detection, and compliance reporting. However, sending raw network traffic directly to these tools creates significant processing overhead, reduces tool efficiency, and can overwhelm expensive security appliances with unnecessary data.

The AF40G34ACV2 addresses this challenge by providing intelligent packet preprocessing and traffic optimization in a high-density 1U form factor. This network packet broker sits between network infrastructure and monitoring tools, performing advanced filtering, aggregation, deduplication, and load balancing to maximize tool performance while reducing operational costs.

TRAFFIC OPTIMIZATION
■ Packet deduplication with large window processing
■ Intelligent packet slicing to reduce bandwidth
■ Hash-based and round-robin load balancing
■ Traffic aggregation patterns: 1:1, 1:N, N:1, N:N

ADVANCED FILTERING
■ 900 ingress filters, 256 egress filters
■ Layer 2-4 filtering (IPv4, IPv6, MAC, VLAN)
■ MPLS support (strip up to 9 labels, filter up to 3)
■ UDF (User Defined Fields) filtering

TUNNELING & ENCAPSULATION
■ GRE, L2GRE, VxLAN, ERSPAN support
■ Tunnel encapsulation and decapsulation
■ VLAN stripping and tagging
■ Jumbo frame support

SPECIFICATIONS
■ Multi-speed support: 10M to 40G
■ 34 total ports with flexible configurations
■ NTP time stamping capability
■ Dual hot-swappable AC power supplies

Ordering Information

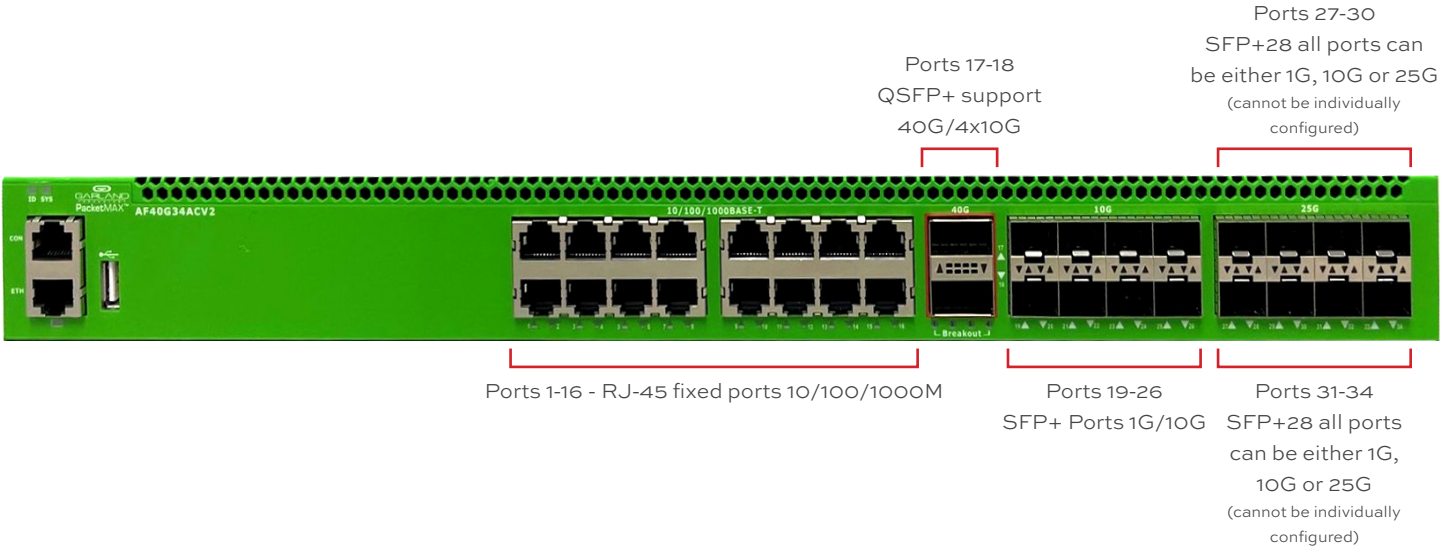| Product Name	Part #	Product Description
AF40G34ACV2 Network Packet Broker	AF40G34ACV2	(34) Multi-speed ports 10M-40G, 0°C ~ 45°C or 32°F ~ 113°F, Dual Hot Swappable AC Power Supplies

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Have Questions?
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Part #	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

- 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}
- Air Flow Option: Front to Rear
- (3) Rear Fans

- Dual Power Supplies AC
- Max Power Draw: 67W
- 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)
- Support for: SFP, SFP+ (SR, LR, ER)

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

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

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

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