

1U 56 Port Network Packet Broker With Dedupe

For 1G, 10G, 25G, 40G, and 100G Networks



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 AF25G80D addresses this challenge by providing intelligent packet preprocessing, advanced deduplication, and traffic optimization in a high-density 1U form factor. This network packet broker sits between network infrastructure and monitoring tools, performing sophisticated filtering, aggregation, time stamping, and hash-based load balancing to maximize tool performance while reducing operational costs.

The AF25G80D processes network traffic from multiple 1G through 100G sources, applying advanced filtering rules, deduplication algorithms, and traffic management policies before forwarding optimized data streams to security and monitoring tools.

TRAFFIC OPTIMIZATION

- Packet slicing to reduce bandwidth consumption
- Hash-based and round-robin load balancing
- Traffic aggregation patterns: 1:1, 1:N, N:1, N:N
- NTP time stamping for precise packet timing
- NetFlow/IPFix and sFlow support

ADVANCED FILTERING

- Layer 2-4 filtering with IPv4, IPv6, MAC, VLAN support
- User Defined Fields (UDF) L2, L3, L4 filtering
- MPLS support (strip up to 9 labels, filter up to 3)
- Large window deduplication capabilities
- Ingress and egress filtering support

TUNNELING & ENCAPSULATION

- GRE, L2GRE, VxLAN, ERSPAN support
- Tunnel encapsulation and decapsulation
- VLAN stripping and QinQ support
- Jumbo frame support
- Physical layer error passthrough

NO COMPLICATIONS

- No subscription, port, or license fees
- Use any MSA-compliant transceivers
- GUI management

Ordering Information

Product Name	Part #	Product Description
AF25G80DAC Network Packet Broker	AF25G80DAC	1U Network Packet Broker with Dedupe (48) SFP28 25G/10G/1G Ports & (8) QSFP28 Ports 100G/40G/4x25G/4x10G, 2 AC
AF25G80DDC Network Packet Broker	AF25G80DDC	1U Network Packet Broker with Dedupe (48) SFP28 25G/10G/1G Ports & (8) QSFP28 Ports 100G/40G/4x25G/4x10G, 2 DC



Have Questions?

sales@garlandtechnology.com | +1 716.242.8500 | GarlandTechnology.com

Technical Specifications

SPECIFICATIONS

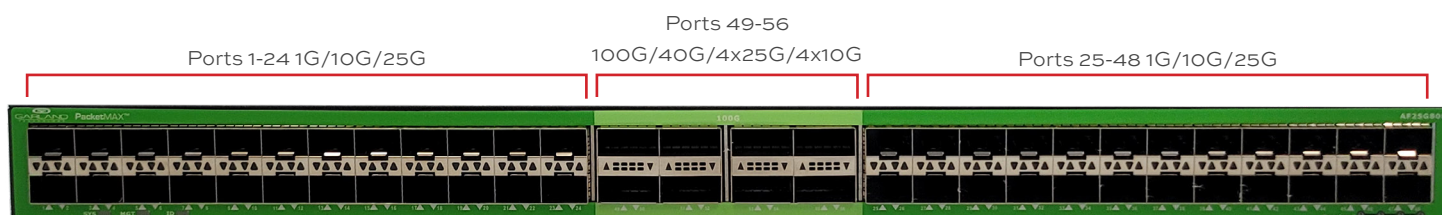
- Dimensions (HxWxD): 1.73" x 17.5" x 18.9"
(43.942mm x 444.5mm x 480.06mm)
- Weight: 22.05 lbs (10.0 kg) including 2 power modules
- Air Flow Option: Front to Rear
- Hot Swappable Fans: 4

POWER REQUIREMENTS

- AC Model: 100-240V, 50-60Hz
- DC Model: -48V to -60V DC
- Maximum Power Draw: 400W

ENVIRONMENTAL

- Operating Temperature: 0°C to 45°C
(32°F to 113°F)
- Storage Temperature: -40°C to 70°C
(-40°F to 158°F)
- Relative Humidity: 0 to 95% (non-condensing)



SFP/SFP+/QSFP+ Transceivers available for AF25G80D:

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 Compliant

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



Have Questions?

sales@garlandtechnology.com | +1 716.242.8500 | GarlandTechnology.com

