

1U 32 Port Network Packet Broker With Dedupe For 40G and 100G Networks



IT teams require advanced packet processing capabilities to optimize security and monitoring tool performance, but existing network infrastructure often lacks sophisticated filtering, deduplication, and traffic management features needed to handle high-volume data streams effectively.

The AF100G32D addresses this challenge by providing intelligent packet preprocessing, advanced deduplication, and traffic optimization in a high-density 1U form factor. This network packet broker extends the feature set of existing infrastructure, supporting NTP time stamping, packet slicing, traffic aggregation, GRE tunneling, hash-based load balancing, and deduplication to reduce processing overhead on security and monitoring tools.

The AF100G32D processes network traffic from multiple 40G 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
AF100G32D Network Packet Broker	AF100G32DAC	1U Network Packet Broker with Dedupe (16) QSFP28 100G Ports & (16) QSFP28 100G/40G/4x25G/4x10G Ports, AC
AF100G32D Network Packet Broker	AF100G32DDC	1U Network Packet Broker with Dedupe (16) QSFP28 100G Ports & (16) QSFP28 100G/40G/4x25G/4x10G Ports, DC



Have Questions?

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Technical Specifications

SPECIFICATIONS

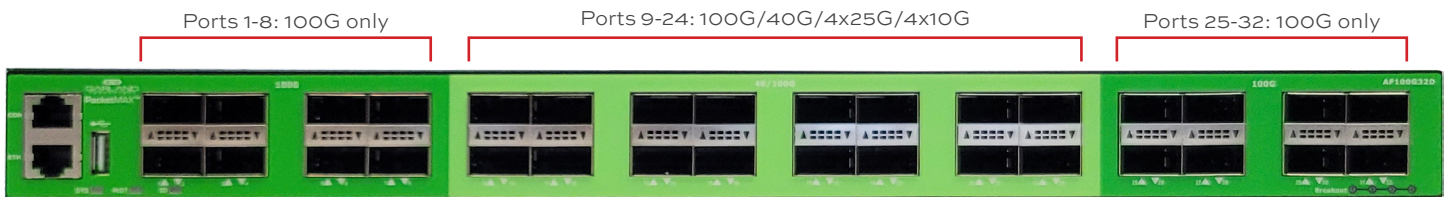
- Dimensions (HxWxD): 1.73" x 17.5" x 18.9"
(43.942mm x 444.5mm x 480.06mm)
- Weight: 22.05 lbs (10.0 kg) including 2 power modules
- Air Flow Option: Front to Rear
- Hot Swappable Fans: 4

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)

POWER REQUIREMENTS

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



SFP/SFP+/QSFP+ Transceivers available for AF100G32D:

SFPTX_T: SFP10/100/1000 Copper RJ-45 Connector, TAA Compliant

SFPSX_T: SFP1000Base-SX MMF LC Connector, TAA Compliant

SFPLX_T: SFP1000Base-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



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