

# PacketMAX™: 100G Advanced Aggregator

10G/25G/40G/100G | 1U Chassis | 32 Port | Filtering, Aggregating and Load Balancing



## Individually Configure Ports for Optimum Flexibility

The PacketMAX™: 100G Advanced Aggregator is a purpose built network aggregator, designed for use in top-of-rack applications or at the network edge. The system can be used to optimize port utilization of existing infrastructure or as a stand alone device in L2-L4 Filtering applications. The device is supported by Open Network Ecosystems and seamlessly integrates into open network environments, including OpenFlow and SDN.

There are no additional per-port license fees, and it is compatible with MSA compliant QSFP/QSFP28 pluggables/transceivers. Flexible port speeds (port splitting) can scale according to network needs (10G/25G/40G/100G) and can be changed within the interface.

## Key Features

- Aggregate network traffic to a single or multiple tools (1:1, 1:N, N:1, N:N)
- Supports 10G/25G/40G/100G network speeds
- OpenFlow/SDN enabled
- IPv4/IPv6 and UDF Filter support
- Start and Terminate GRE Tunnels
- Start and Terminate VXLAN Tunnels
- 32 fully supported ports - no additional per-port license fees
- Port splitting functionality
- Supports jumbo frames
- Hot swappable, dual power supplies AC standard, DC available
- 2k filters
- Session/flow aware load balancing
- Configurable hash-based load balancing
- Flow replication and port mirroring
- Data burst buffering
- Management through GUI, and SNMP

### FILTERS HIGHLIGHTS:

- User defined filters for Layer 2, 3, and 4
- IPv4/IPv6, MAC, L4Port, VLAN, Ethertype, IP protocol
- Supports MPLS stripping, single and stacked
- Supports VLAN stripping, QinQ support
- Full line rate filtering
- Packet modification

### APPLICATIONS:

- Aggregation of multiple TAP/SPAN ports for increased utilization
- Connect to Network Packet Broker or directly to tools
- High Density filtering, aggregation and load balancing
- Aggregation solution for large and medium size data centers
- Aggregation for enterprise and service provider networks

### Competitive Edge

- Open Network Install Environment
- Purpose built aggregation device
- Full L2-L4 filter support
- High density system, up to 128x10G/25G ports
- Cisco BiDi support
- VLAN tagging and stripping
- MPLS Stripping





### Have Questions?

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Advanced Aggregator options							
Model #	Ports	Network Speed	40G Port	100G Port	Power *	Watts	SNMP /Syslog support
AA100G32AC		10/25/40/100G	(32) QSFP+	(32) QSFP28	AC Power	410	Yes
AA100G32DC		10/25/40/100G	(32) QSFP+	(32) QSFP28	DC Power	410	Yes

Power supplies:	
Model #	Description
PSU-48V-AA100-F	48V DC Power supply for use with AA100G32DC. Port to power air flow.
PSU-AC-AA100-F	AC power supply for use with AA100G32AC. Port to power air flow.

Available Pluggables & Cables:	
Model #	Description
QSFP+40GBiDi	QSFP+ 40Gigabit-SR-BiDi Multi-Mode Fiber LC Connector
QSFP+40G	QSFP+ 40Gigabit-SR Multi-Mode Fiber MPO-12 Connector
QSFP+40-LR4	QSFP+ 40Gigabit-LR4 Single Mode Fiber LC Connector
QSFP28-4SFP28-Cable_1	100 Gigabit Ethernet QSFP28 to (4) x 25 Gigabit Ethernet SFP28 Splitter Cable, 1 Meter

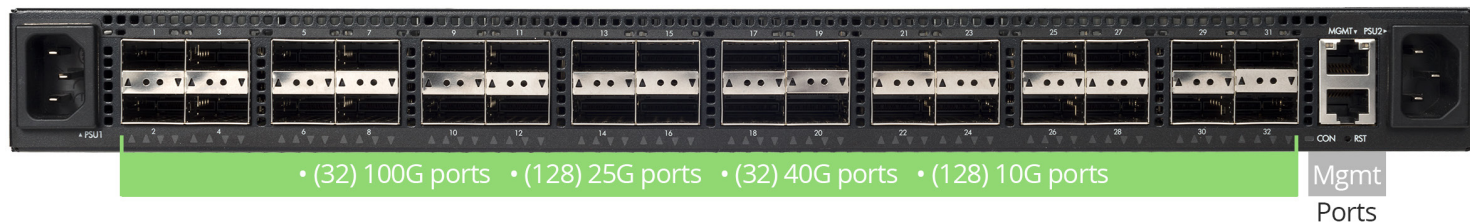
## 1U Chassis Specifications:

Support for: QSFP28, SFP+ (SR, LR, ER)  
 Operating Temp.: 0C to 45C / 32F to 122F  
 Operating Humidity: 20% to 80% non-condensing  
 Airflow: front to back  
 Voltage: AC: 100v - 240v 50/60Hz

## AA100G32AC Dimensions:

1.75"H x 17.3"W x 16"D  
 (43 mm H x 440mm W x 432mm D)

## Port Configuration



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- 32 100G-SR ports with QSFP-28
- 32 40G-SR4 ports with QSFP-40

### Port Splitting Functionality - No Additional License fees:

- 128 25G ports with port splitting of each 100G link (4-25G from each 100G port)
- 128 10G ports with port splitting of each 40G link (4-10G from each 40G port)



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