

PacketMAX™: 100G 64 Port Advanced Aggregator

10G/25G/40G/100G | 2U Chassis | 64 Port | Filtering, Aggregating and Load Balancing



The PacketMAX™: 100G 64 Port 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
- 64 fully supported ports - no additional per-port license fees
- Port splitting functionality
- Supports jumbo frames
- Hot swappable, dual power supplies AC standard, DC available
- 1k 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 256x10G/25G ports
- Cisco BiDi support
- VLAN tagging and stripping
- MPLS Stripping





Have Questions?

sales@garlandtechnology.com
+716.242.8500
garlandtechnology.com

PacketMAX™: 100G 64 Port Advanced Aggregator

10G/25G/40G/100G | 2U Chassis | 64 Port | Filtering, Aggregating and Load Balancing

Advanced Aggregator options							
Model #	Ports	Network Speed	40G Port	100G Port	Power *	Watts	SNMP /Syslog support
AA100G64AC		10/25/40/100G	(64) QSFP+	(64) QSFP28	AC Power	600	Yes
AA100G64DC		10/25/40/100G	(64) QSFP+	(64) QSFP28	DC Power	600	Yes

Power supplies:	
Model #	Description
PSU-48V-AA100-F	48V DC Power supply for use with AA100G64DC. Port to power air flow.
PSU-AC-AA100-F	AC power supply for use with AA100G64AC. 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:

Fans: Hot-swappable 3 + 1 redundant fans
Operating Temperature: 0°C ~ 45°C (32°F ~ 113°F)
Operating Humidity: 5% ~ 95% non-condensing
Power: 600W

AA100G64AC Dimensions:

Dimensions (WxDxH): 43.8 x 58.0 x 8.8 cm
(17.2 x 22.8 x 3.5 in)
Weight: 14.11 kg (31.1 lb)

Port Configuration

Individually Configure Ports for Optimum Flexibility

- 64 100G-SR ports with QSFP-28
- 64 40G-SR4 ports with QSFP-40

Port Splitting Functionality - No Additional License fees:

- 264 25G ports with port splitting of each 100G link (4-25G from each 100G port)
- 264 10G ports with port splitting of each 40G link (4-10G from each 40G port)



This document is for informational purposes only. The information in this document, believed by Garland Technology to be accurate as of the date of publication, is subject to change without notice. Garland Technology assumes no responsibility for any errors or omissions in this document and shall have no obligation to you as a result of having made this document available to you or based on the information it contains. ©2019 Garland Technology LLC. All Rights Reserved