

# PacketMAX™: 10G Advanced Aggregator

1G/10G/40G | 1U Chassis | 54 Port | Filtering, Aggregating and Load Balancing



The PacketMAX™: 10G Advanced Aggregator is a 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.

There are no additional per-port license fees, and it is compatible with MSA compliant SFP+/QSFP+ pluggables/transceivers. 40G ports support flexible port speed (port splitting), when the 40G ports are split the system supports up to 72x10G ports.

## Key Features

- Aggregate network traffic to a single or multiple tools (1:1, 1:N, N:1, N:N)
- Supports 1G/10G/40G network speeds
- OpenFlow/SDN enabled
- IPv4/IPv6 and UDF Filter support
- Start and Terminate GRE Tunnels
- Start and Terminate VXLAN Tunnels
- Up to 72 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

## Solutions

TAP Multiple 1G/10G links and filter, aggregate and load balance to a single 40G tool. Monitor 40G links and filter, aggregate and load balance to multiple 1G or 10G tools.



Analzers



Application Performance Monitoring



Intrusion Detection System



Lawful Intercept



Data Forensics



Packet Capture

### 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

### FILTERS:

- 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

### Competitive Edge

- Open Network Install Environment
- Purpose built aggregation device
- Full L2-L4 filter support
- High density system, up to 72x10G ports
- Cisco BiDi support
- VLAN tagging and stripping
- MPLS Stripping



### Have Questions?

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Advanced Aggregator options							
Model #	Ports	Network Speed	10G Ports	40G Ports	Power	Watts	SNMP/ Syslog Support
AA10G54AC		1G/10G/40G	(48) SFP/SFP+,	(6) QSFP+	AC	195	Yes
AA10G54DC		1G/10G/40G	(48) SFP/SFP+,	(6) QSFP+	DC	195	Yes

Power supplies:	
Model #	Description
PSU-48V-AA10-F	48V DC Power supply for use with AA10G54DC. Port to power air flow.
PSU-AC-AA10-F	AC power supply for use with AA10G54AC. Port to power air flow.

Available Pluggables & Cables:	
Model #	Description
SFPTX	SFP 10/100/1000 Copper RJ-45 Connector
SFPSX	SFP 1000Base-SX Multi-Mode Fiber LC Connector
SFPLX	SFP 1000Base-LX Single Mode Fiber LC Connector
SFP+SR	SFP+ Dual Speed 1 Gigabit-SX / 10 Gigabit-SR Multi-Mode Fiber LC Connector
SFP+LR	SFP+ Dual Speed 1 Gigabit-LX / 10 Gigabit-LR Single Mode Fiber LC Connector
SFP+SR10	SFP+ 10Gigabit-SR Multi-Mode Fiber LC Connector - only supports 10G
SFP+LR10	SFP+ 10Gigabit-LR Multi-Mode Fiber LC Connector - only supports 10G
QSFP+40G	QSFP+ 40 Gigabit-SR Multi-Mode Fiber MPO/MTP-12 Connector
QSFP+40G-LR4	QSFP+LR Single-Mode Fiber LC Connector
QSFP+40GBiDi	QSFP+ 40Gigabit-SR-BiDi Multi-Mode Fiber LC Connector
QSFP-4SFP+_1	Direct Attached Copper Cable QSFP+ to 4x 10Gb SFP+, Pre-Cut 1 Meter
TWINAX1M*	Twinax Copper Direct Connect Cable SFP+ 10Gigabit 1 Meter

## 1U Chassis Specifications:

Max system throughput: 720Gbps  
 Support for: SFP / SFP+, LS, LR, SX, LX, TX, SR  
 Operating Temp.: 0C to 40C / 32F to 104F  
 Operating Humidity: 5 to 90%

AA10G54AC Dimensions:  
 44.3 x 47.3 x 4.34 cm (17.4 x 18.6 x 1.71 in)  
 Airflow: 200lf/m  
 (2) AC Power Supplies included

\*Also available in 5 and 10 meters.



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