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1U Half-Rack 10/40G Deduplication Packet Broker

Standalone Deduplication Solution

Duplicate packets are one of those things that happen in a busy IT network, especially if relying on SPAN mirroring. Using different network solutions and optimizing your network will indeed minimize duplicates, but they'll still crop up on a fairly regular basis. This can be a problem for your monitoring tools, because analyzing duplicate packets can take up their processing resources while also mess up your analytics. A Deduplication Network Packet Broker remediates this issue by finding and removing duplicate packets before they can reach your analytics tools.

Garland Technology's 1U Half-Rack 10G/40G Deduplication Packet Broker AF10G4ACEV2 supports large window deduplication – up to 40G of traffic. Add it to an existing architecture with TAPs and Packet Brokers when the quantity of duplicate packets becomes too draining on your monitoring stack. AF10G4ACEV2 removes all duplicate packets in the ingress stream within a roughly 850mS window and sends the de-duplicated packet stream back out the egress direction to another Packet Broker. The Ether Type is ignored, and all traffic is considered for deduplication. Additionally, packets can be timestamped at ingress and L2-L4 packet slicing is supported.

EFFECTIVE
- Dedupe up to 40G of traffic
- All traffic is considered for deduplication

RESOURCEFUL
- Don't overwhelm your security tools with redundant traffic
- Extend the life and ROI of monitoring tools
- Single power supply

COMPATIBLE
- Pair with a Garland Network Packet Broker or any vendor's NPB
- Standalone unit allows you to deploy when needed management

NO COMPLICATIONS
- No subscription, port, or license fees
- Use any MSA-compliant transceivers
- Easy to use serial interface to configure features

Ordering Information

Product Name	Part #	Product Description
Standalone Dedupe Box	AF10G4ACEV2	1U Half-Rack 10/40G Deduplication Network Packet Broker: (4) SFP+ 1/10G Ports and (1) QSFP+ 40G Port, managed, AC

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HARDWARE KEY

1. One (1) QSFP+ 40G port **2.** Four (4) SFP+ 10G ports **3.** Ethernet RJ-45 Mgmt Port **4.** Serial Mgmt Port

6. Fans **7.** Power Supplies

Depth 14.0"
(355.6mm)

Height 1.75"
(44.5 mm)

Width 12.28" (209.6mm)
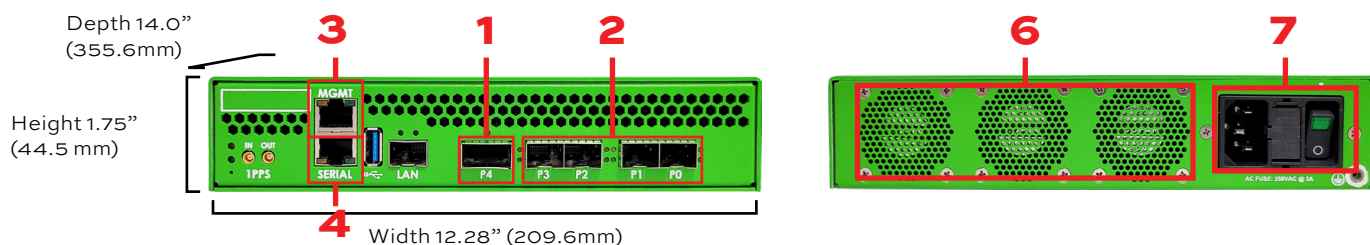
SPECIFICATIONS

- Power Consumption: 135w max
- Operating Temp: 0°C to 50°C or +32°F to 122°F
- Operating Humidity: 0% to 95% non-condensing
- Weight: 5.23 lbs (2.372288 kg)

PACKAGE CONTENTS

- One (1) AF10G4ACEV2
- One (1) Rack mounting kit (brackets and screws)
- One (1) AC Power Cords
- One (1) Ethernet Cable (RJ-45)
- One (1) Console Cable (RJ-45 to DB9)

USE CASE

Add Dedupe box to TAP and Packet Broker installation
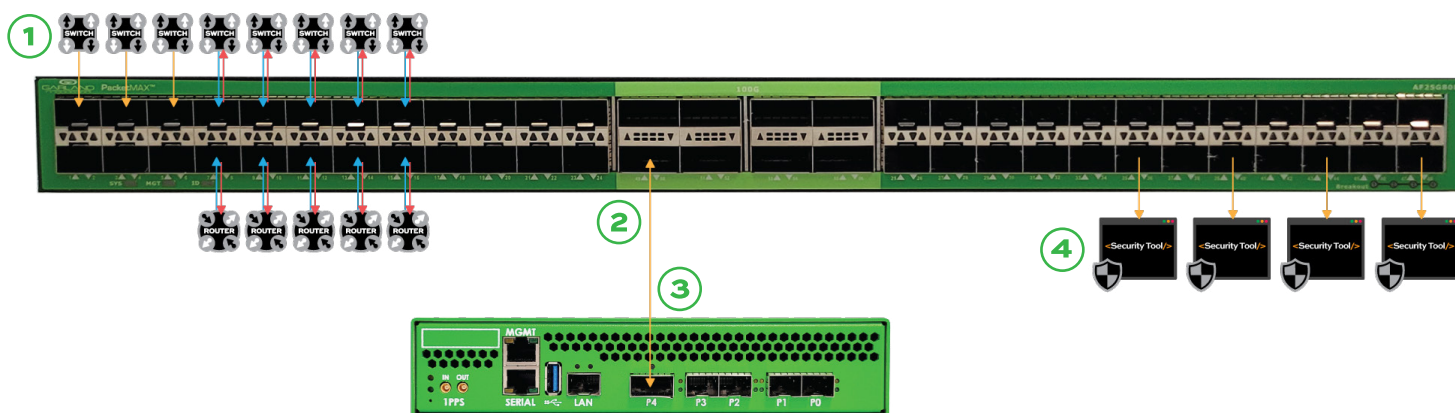
1. Network Packet Broker accepts multiple network links in the input ports. **2.** All traffic is aggregated to the dedupe box via a 40G connection. **3.** Dedupe box removes duplicate packets and sends traffic back to the Network Packet Broker via the same connection ports. **4.** The Network Packet Broker load balances the deduplicated traffic to several connected security tools.

Have Questions?

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