

Overview

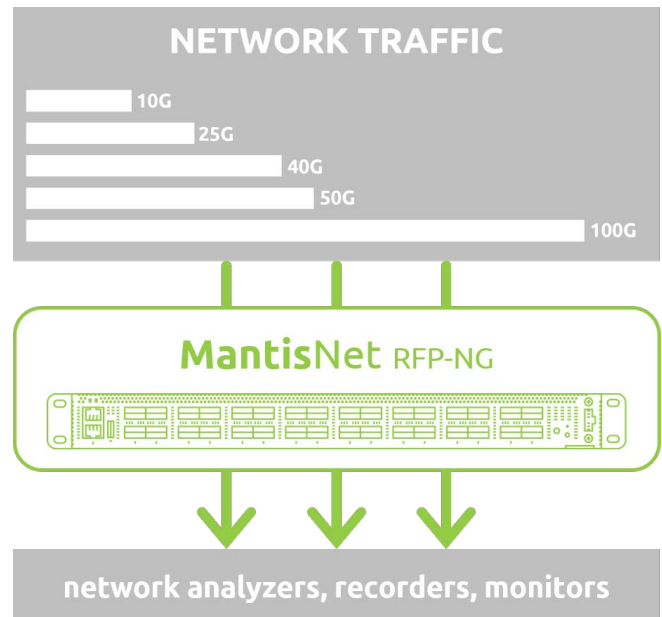
RFP-NG | Reconfigurable Frame Processor-Next Generation Network monitoring for 10/25/40/50/100G

Monitoring high-speed network links

(25/40/50/100G) is an extremely difficult task. The sheer number and speed of packets found within these networks overwhelm monitoring tools available today- tools that were designed to ingest 1G, and if budgets happened to be favorable, 10G at best. With high-speed links becoming more and more common, network professionals are now faced with a very challenging question: how do I monitor this traffic with low-speed tools?

Enter the Mantis RFP-NG...

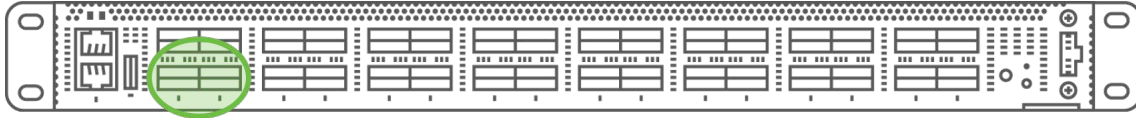
The MantisNet RFP-NG is a 1U appliance that helps network engineers bridge the gap between high-speed networks and lower speed 10G network analyzers. The RFP-NG is a (32) port, QSFP28-based device that is capable of monitoring 10/25/40/50/100G links at line-rate. To do so, the device ingests multiple high-speed network links, and provides a real-time copy of traffic of interest to one or multiple 10G ports for analysis.



Key Features

- (32) QSFP28 Ports
 - Max (32) ports of 40/100G
 - Max (64) ports of 50G
 - Max (128) ports of 10/25G
- 3 Tb/s switch silicon
- 100% visibility in to high-speed network traffic
- Any-to-Any Port Mapping
- Symmetric, flow-aware load balancing from high-speed links to multiple low-speed links
- Line-rate filtering: Monitor traffic of interest on high-speed networks with low-speed tools
- Apply line-rate L2/L3/L4 filters on both regular traffic, AND inner/encapsulated traffic





User-configurable ports

- Any port can support either 10G, 25G, 40G, 50G, or 100G
- Mix-and-match any combination of ports to fit your environment

Functional Specifications

	RFP-NG
10 GIG ports	(128) via breakout panels
QSFP28 Ports (maximum per speed)	(32) 40/100G, (64) 50G, (128) 10G/25G
Switch Fabric Capacity	3.2 Tbps
Data Rates	10/25/40/50/100G
Forwarding Rate	4.7 Bpps
Management Port	1 x RJ-45 serial console port to BMC 1 x RJ-45 1000BASE-T management port

Physical, Environmental, and Power Specifications

	RFP-NG
Power Supply Redundancy	Yes- Hot Swappable
Air Flow	Front to Back
Dimensions	(WxDxH): 20.03 in x 17.32 in x 1.73 in)
Weight	20.05 lb
Input Voltage / Frequency	90 to 240 VAC at 50-60 Hz
Operating Temperature	0°C to 40°C (32°F to 104°F)
Operating Humidity	10% to 95% non-condensing
Environmental	Temperature: IEC 68-2-14 Vibration: IEC 68-2-36, IEC 68-2-6 Shock: 68-2-29
Safety	UL, CSA
RoHS	RoHS-6 Compliant