IOTA *10 CORE*

PROBE • CAPTURE • ANALYZE

IOTA 10 CORE is a high-speed packet capture and analysis solution for core networks, large branches, and data centers.

IOTA allows you to capture network traffic and get detailed real-time and historical insights into critical applications and data. IOTA helps quickly resolve network issues like performance and application problems through complete packet and metadata analysis.

Monitor key network metrics and performance indicators

The integrated dashboards make it possible to monitor hosts, top talkers, latency, TCP, UDP, IPv4, IPv6, VLAN, DNS, and many more at a glance. Up to 100 KPIs are extracted from the captured packets, TCP/UDP flow, and flow behavior. Flow metadata can reduce the volume of data by 90% compared to the original PCAP trace. Throughout this process, raw packet data is preserved, offering maximum flexibility between packet-level visibility and metadata extraction. Complete visibility is provided into 200+ applications and protocols (DNS, HTTP, SSH, Office 365, Skype, Whatsapp, Netflix, etc.).

Traffic access, capture, and analysis in a single box

IOTA CORE can be deployed at central and key capture points, either standalone or together with TAPs and Network Packet Brokers, where it receives pre-aggregated, pre-filtered traffic from critical network points of interest. This data can then be further refined, filtered, and drilled down on by network analysts thanks to IOTA's powerful integrated dashboards.

The six capture input ports provide flexibility for various capture and analysis scenarios, with support for 100M, 1G and 10G speeds (2 x 100M/1G, 2 x 1/10G, 2 x 10G), and the ability to group ports in capture sessions in order to correlate and analyze traffic incoming on these ports together. High-speed, high-capacity internal storage enables real-time and historical analysis of captured network data.

Features

- 100M/1G/10G out-of-band capture inputs
- Dedicated probe and analysis capabilities
- Ring buffer
- 4, 8, or 16 TB internal storage SSD
- 20 Gbps / 10 Mpps capture performance[1]
- Remote access and management
- Real-time statistics

[1] Maximum performance in ideal conditions. Packet size will affect these values.

Technical Specifications

CONNECTORS	LEDS & BUTTONS
2 x 100M/1G RJ45 capture	16 x link/activity LED
2 x 1/10G RJ45 capture	1 x capture LED
2 x 10G SFP+ capture	2 x management LED
2 x RJ45 management	1 x disk activity LED
1 x RJ45 IPMI	1 x power LED
2 x USB 3.0	1 x power button
1 x 12 VDC power	1 x reset button

DIMENSIONS (WxDxH)	WEIGHT
265 x 226 x 43 mm	2100 g
10.43 x 8.9 x 1.69 in	4.63 lb

STORAGE	POWER
4, 8, or 16 TB SSD	Input: 12 VDC
	Adapter: 100-240 VAC to 12 VDC, 12.5 A, 150 W

COMPLIANCE	ACCESSORIES
RoHS, CE, FCC, UKCA, EAC	Rackmount kit with power adapter bracket
	100-240 VAC to 12 VDC, 12.5 A power adapter

	4 TB MODEL	8 TB MODEL	16 TB MODEL
Order reference	CBC-10-4T	CBC-10-8T	CBC-10-16T

Dashboards

IOTA comes with a set of integrated analysis dashboards that are run locally on the device.

- Overview
- Application Overview
- VoIP
- HTTP
- Local Assets
- Modbus
- SSL/TLS
- TCP
- DNS
- Host Details
- Flow Details
- Analysis Sessions