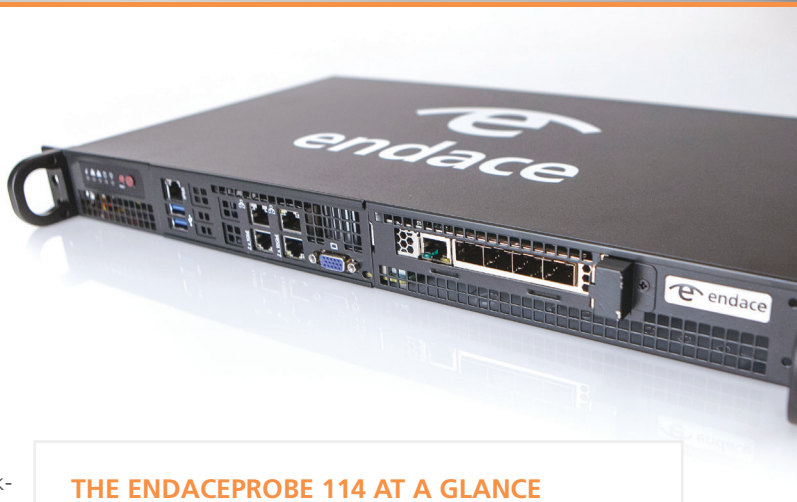
EndaceProbe 114



The EndaceProbe™ 114 is an entry level appliance designed for capturing and monitoring network traffic at edge locations where deployment space is constrained. The EndaceProbe 114's compact short-depth form factor allows it to be deployed in either half-depth or full-depth racks as required. With 3.84TB of local SSD-based storage, the EndaceProbe 114 is ideal for monitoring 10/100Mb and 1Gb links at branch offices or other edge locations.

The EndaceProbe family

EndaceProbes are a range of high-fidelity network recorders. With 100% accurate network data capture, EndaceProbes deliver network-wide visibility for security and network event investigation including centralized search and retrieval of recorded traffic. They are available in a range of configurations for monitoring, capturing, analyzing and visualizing traffic from the edge to the core of the network. The virtual EndaceProbe vProbe™ also provides visibility into virtualized environments.

EndaceProbes are uniquely multi-functional, combining network recording with an integrated VM hosting environment that gives hosted third-party applications real-time access to recorded traffic. An open, RESTful API allows external applications to search for and retrieve packets from packet storage and enables applications to be tightly integrated. The API and VM hosting make it easy for your chosen applications – from open-source or custom-developed tools to commercial solutions – to leverage a single, authoritative and accurate source of captured traffic.

The power and flexibility of EndaceProbes enables SecOps and NetOps teams to monitor and analyze network behavior more effectively and identify and resolve security events and network issues faster. They gain access to the full, rich data they need and can deliver it to their chosen tools quickly and efficiently. EndaceProbes come bundled with EndaceVision™, a network history search and visualization tool, and EndacePackets™, a packet-analysis tool with support for Wireshark™ display filters. Efficient access to packets and seamless integration between EndaceProbes, EndaceVision and existing tools maximizes tool utility and streamlines work-flows.

An Integrated Monitoring Infrastructure

Multiple EndaceProbes can be combined into a high-performance, monitoring fabric able to accurately capture and monitor traffic across the entire network – including complex, geographically distributed infrastructures – right up to 100GbE.

EndaceProbes support centralized deployment and management – via EndaceCMS™ (Central Management Server), ensuring efficient management and reducing the overall cost of deploying and managing a monitoring fabric. The EndaceProbe's multi-functional capability means your monitoring fabric can also host your chosen network applications – allowing you to consolidate hardware and reduce costs.

The 100% packet capture and nanosecond-level accurate synchronization and time stamping delivered by EndaceProbes ensures you have the richest, most reliable source of captured traffic data from across your entire network available for the applications that need it.

THE ENDACEPROBE 114 AT A GLANCE

- 1RU short-depth, compact form factor
- 4x 10/100/1000BASE-T or optical 1GbE monitoring ports
- 3.84TB on board RAID storage delivers 500Mbps sustained write speed
- Provides approximately 20 hours of packet storage on a 1GbE link under moderate load

BENEFITS

Accurate

- 100% accurate packet capture regardless of traffic conditions

Powerful

- 100% accurate network history enables effective investigation and troubleshooting
- Analyze traffic before, during and after a specific period of interest such as a breach, an outage or a traffic microburst using EndaceVision
- Quickly search and retrieve packets of interest from multi-terabyte trace files for packet level analysis in EndacePackets
- Export traffic easily to other applications via the open API
- DPI application detection recognizes traffic from more than 1200 different applications and helps detect rogue applications using nonstandard TCP/UDP ports
- Easy integration with custom or third-party applications, and pre-built integrations with leading security (IDS, SIEM) network performance (NPM) and application performance (APM) solutions

Flexible

- The only open packet capture monitoring and recording appliance on the market
- Endace Application Dock™ provides high performance VM for hosting third-party or custom applications
- Each monitoring port can be independently configured for 10/100/1000BASE-T or optical 1GbE links

Secure and Reliable

- Hardened Endace OSm™ operating system
- SSD-based storage
- Engineered for high-reliability and extended mean time between failure (MTBF) rates

EndaceProbe 114 – Technical Specifications

Memory	64GB RAM
System drive	256GB solid state disk drive
Internal packet storage	2x 2TB RAID
Management interfaces	2x 1GbE, 1x IPMI
Supported number of VMs	1
Power supply	1 x AC PSU
Size	1U 19 inch rack mount - "short depth" compact form factor
Dimensions	Height: 43.2mm (1.7") Width: 437mm (17.2") Length: 249mm (9.8")
Weight	3.62kg (8 lbs)
Maximum power consumption	110W (estimated)
Operating temperature	10-35°C (50-95°F)
Operating humidity	8-90% non-condensing
Maximum heat load	376 BTU/hr

Software Specifications

Software type	Description	Included
Operating System	Endace OSm	✔
VM Environment	Endace Application Dock	✔
Bundled Applications	EndaceVision EndacePackets	✔

Ports

Monitoring ports	4x 10/100/1000BASE-T or 1GbE Fibre
Time synchronization	1 configurable as either 1PPS or IRIG-B

Performance Metrics

Metric	Measurement
Capture-to-disk rate*	500Mbps

* Sustained write-to-disk performance from the monitoring port to the storage array. Guideline figure is based on simulated usage.

Companion Products

The following products are compatible with the EndaceProbe 114:

Transceivers

A range of fiber optics and electrical transceivers for all supported interfaces is available.

Time Measurement Accessories

Trimble Acutime Gold GPS receiver	GPS-2
2-port Time Distribution Server (TDS)	Endace TDS-2
6-port expansion module to EndaceTDS-2	Endace TDS-6
24-port Time Distribution Server (TDS), accepts and distributes 1PPS or IRIG-B signals	Endace TDS-24

For more information on the Endace portfolio of products, visit: endace.com/products

For further information, email: info@endace.com