

EndaceProbe 9000 Series



EndaceProbe™ 9000 Series Analytics Platforms provide 100% accurate Network History recording and Playback™ on up to eight 1/10GbE or two 40GbE links.

Sustained write speeds up to 20Gbps and 192 Terabytes of deep storage make the 9000 ideal for deployment in large enterprise datacenter and network core deployments.

Smart Truncation™ and compression enable even higher write speeds and effective storage depth of more than 500 Terabytes.

Application Dock™ allows your choice of security and performance monitoring or analytics applications to be hosted directly on the EndaceProbe. Hosted applications can access live traffic for real-time analysis or, using Playback, recorded traffic for back-in-time analysis.

Multiple EndaceProbes can be seamlessly connected to form a scalable, centrally managed recording fabric with capacity for Petabytes of Network History storage.

100% Accurate Recording

Dedicated hardware provides lossless capture with nanosecond accurate timestamping

- Smart Truncation auto-truncates encrypted or non-compressible packets to maximize storage
- Definitive evidence for quickly and accurately resolving security threats and network or application performance problems

Network History Playback

Playback Network History on-demand to hosted or external analytics tools

- Playback quickly for targeted scans or slowly for deep investigation
- Playback to real-time analytics tools for historical analysis
- Mine network history, extract and download packet capture files for manual analysis.

PERFORMANCE¹



Write to disk

20Gbps sustained
>20Gbps compressed
>700ms microburst @40Gbps



Maximum Flow Creation Rate

100k flows/sec



Maximum Concurrent Flows

1 million



Number of Application Dock Instances

4



Storage depth

Native 192 Terabytes
Packets² > 500 Terabytes



Physical size

4U Rack Mounted

¹For more information about real-world performance testing refer to our "Network Recorder Performance Measurement" whitepaper.

²Effective packet storage accounting for RAID and metadata overheads and assuming a 4.5:1 ratio for compression and Smart Truncation of packet data

BENEFITS

100% Accurate

On demand access to 100% accurate, rich network history provides conclusive evidence for investigations.

Powerful

Automation and streamlined workflow integration enables faster investigations. This improves security and reduces the impact of network and application performance issues.

Open

Integrating commercial, open source and custom applications provides unified access to a single authoritative source of network history.

Analytics Function Virtualization (AFV) reduces CAPEX and OPEX through hardware consolidation which improves efficiency and increases agility.

Scalable and Reliable

EndaceProbes are engineered for ultra-high reliability, longevity and security. Centralized management enables scalability and reduces OPEX costs.



Built-In Investigation Tools

- Analyze Network history with EndaceVision™, a powerful, browser-based traffic analysis tool
- Decode packets without download using EndacePackets, a browser-based packet analyzer based on Wireshark
- Analyze to microsecond level with Microvision
- Application classification for 1200+ applications



Provenance Enriched History

Provenance™ augments recorded network history with rich contextual data.

- Self-describing packet traces support Big Data analysis, improve post-event problem resolution and simplify archiving
- Rich evidential trail for effective legal prosecution



Workflow Integration

Rich APIs provide integration with commercial, open source and custom applications.

- Pivot directly from alerts in 3rd -party applications to view related packets of interest in EndaceVision™ with Pivot to Packets
- Automate archival of packet traces with Pivot to Packets.



Host Virtual Analytics

Host third-party analytics applications and give them access to real-time and recorded traffic.

- Central orchestration for fast, easy deployment.
- Enable analytics functions on-demand to meet new requirements
- Analyze network history without centralizing petabytes of data.



Fusion Partner Program

Our market-leading, cybersecurity and network monitoring partners use EndaceProbe's API integration and Application Dock™ VM hosting to connect their solutions directly to Network History.

- Streamline and automate detection and investigation
- Choose from industry-leading security and performance solutions
- Shared access to a common, authoritative source of network history for all applications.

EndaceProbe 9000 Series – Technical Specifications

Monitoring ports	Up to 8 x 1GbE/10GbE or up to 2 x 40GbE
Management interfaces	2x 1GbE/10GbE, 1x IPMI
Time synchronization	1 configurable as either 1PPS, IRIG-B or PTP
Size	4RU 19-inch rack mount
Dimensions	Height: 178mm (7") Width: 437mm (17.2") Length: 660mm (26")
Weight	60.5 kg (133.4 lb)
Power supply	Dual redundant 1280W AC or DC
Maximum power consumption	800W
Operating temperature	10-35°C (50-95°F)
Operating humidity	8-90% non-condensing
Maximum heat load	2728 BTU/hr

Companion Products

A wide range of fiber optics and electrical transceivers is available. See endace.com/accessories for details.

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

For further information, email: info@endace.com



This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the Federal Communications Commission [FCC] Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction document, may cause harmful interference to radio communications.

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