

# EndaceProbe 8200 G4 Series



EndaceProbe™ 8200 G4 Series Analytics Platforms are high-capacity, high-performance appliances capable of providing 100% accurate Network History recording and Playback on up to eight 1/10GbE or two 40GbE links.

Sustained write speeds of 15Gbps and 144 Terabytes of deep storage make the 8200 G4 Series ideal for deployment in medium and large enterprise datacenter and network core deployments.

Smart Truncation™ and compression enable even higher write speeds and effective storage depth of more than 360 Terabytes.

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

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

REC

## 100% Accurate Recording

Dedicated hardware provides lossless capture with nanosecond accurate timestamping

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



## Built-In Investigation Tools

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

## PERFORMANCE<sup>1</sup>



### Write to disk

15Gbps sustained  
>15Gbps compressed  
20 million packets per second  
>2s microburst @40Gbps



### Maximum Flow Creation Rate

400k flows/sec



### Maximum Concurrent Flows

6 Million



### Number of Application Dock Instances

Up to 12



### Storage depth

Native 144 Terabytes  
Packets<sup>2</sup> > 360 Terabytes



### Physical size

2U Rack Mounted

<sup>1</sup>For more information about real-world performance testing refer to our "Network Recorder Performance Measurement" whitepaper. Performance above tested using OSm 7.0 with EndaceProbe set to performance mode and 20degC ambient temperature.

<sup>2</sup>Effective 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.

### Secure

Sensitive Network History data is protected via role based access control and Endace's security-hardened operating system (OSm).



## Freedom to Choose

Deploy your chosen security or performance monitoring tools on EndaceProbe without truck rolls or hardware upgrades.

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



## 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-Vision
- Automate archival of packet traces with Pivot-to-Packets.



## Secure

Only authorized users can view or download packet data.

- Role Based Access Control (RBAC) restricts who can access data.



## 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.



## 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.



## 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 8200 G4 Series – Technical Specifications

Minimum OSm release	OSm 6.5.7
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	2RU 19-inch rack mount
Dimensions	Height: 87.44mm (3.44") Width: 430mm (16.93") Length: 709mm (27.95")
Weight (estimated)	27.5 kg (60.6 lb)
Power supply	Dual redundant 1300W AC (@200-240V) Dual 750W AC (@100-140V)
Maximum power consumption	900W
Operating temperature	10-35°C (50-95°F) EP-8244-G4 10-27°C (50-80°F) EP-82C8-G4
Operating humidity	8-90% non-condensing
Maximum heat load	3071 BTU/hr

## Companion Products

A wide range of fiber optics and electrical transceivers is available. Contact sales@endace.com for details.



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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