

# EndaceProbe 4100 Series



EndaceProbe™ 4100 Network Recorders provide 100% accurate network history recording and Playback on up to eight 1/10GbE or two 40GbE links.

Sustained write speeds up to 15Gbps make the 4100 series ideal for on-demand recording on high-speed links or deploying in remote locations where the 4100's up to 15.3 Terabytes of ultra-reliable SSD storage ensures low-touch maintenance.

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

## Network History Playback

High-speed, on-demand Playback of Network History direct to hosted or external analytics tools, or for analysis by SecOps and NetOps teams.







- Playback history fast to 3rd-party analytics using new zero-day rules
- Playback history slowly for deeper investigation
- Find and retrieve packet captures for manual analysis
- Investigate micro-second length events.

## Analytics Workflow Integration

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

- Pivot directly to the packets of interest from your 3rd party application
- Pivot directly into the on-board EndaceVision™ and EndacePackets™ investigation tools
- Investigate security and network events without packet traces needing to leave the EndaceProbe.

### THE ENDACEPROBE 4100 SERIES AT A GLANCE

	<b>Write to disk</b>	<b>15Gbps sustained</b>
	<b>Maximum Flow Creation Rate</b>	<b>100k flows/sec</b>
	<b>Maximum Concurrent Flows</b>	<b>1 million</b>
	<b>Number of Application Dock Instances</b>	<b>4</b>
	<b>Storage depth</b>	<b>7.6 Terabytes SSD or 15.3 Terabytes SSD</b>
	<b>Physical size</b>	<b>1U Rack Mounted</b>

### BENEFITS

#### Accurate

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

#### Powerful

Automation and streamlined workflow integration enables faster investigations, improving security and reducing 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, improved efficiency and increased agility.

#### Scalable and Reliable

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



### Provenance Enriched History

Provenance™ augments recorded network history with rich contextual data.

- Easier problem resolution after the fact
- Self describing packet traces enable Big Data analysis and simplify archiving
- DPI based application classification for more than 1200 applications
- Richer evidential trail for effective legal prosecution.



### Virtualized Analytics Functions

The EndaceProbe's Application Dock™ provides hosting for custom, commercial or open source analytics applications, giving them access to both real-time and recorded traffic.

- Central orchestration for quick and easy deployment. No more truck rolls of analytics appliances
- Enable or disable analytics functions on-demand
- Roll out new analytics functions quickly to meet emerging requirements
- Analyze network history where it resides instead of forwarding petabytes of history across the management network
- Leverage the EndaceProbes distributed storage architecture for big savings on SAN/NAS storage costs.



### Fusion Partner Program

Endace's Fusion Partner Program is an ecosystem of market-leading cybersecurity and network monitoring vendors. Endace Fusion Partners leverage the EndaceProbe's API integration and Application Dock hosting to connect their solutions directly to network history, streamlining and automating detection and investigation

- Choose from industry-leading security and performance solutions
- Give all your chosen applications access to a common, authoritative source of network history for a unified view of network security and performance.



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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### EndaceProbe 4100 Series – Technical Specifications

Monitoring ports	Up to 8 x 1GbE/10GbE or up to 2 x 40GbE
Management interfaces	4x 1GbE, 2x 10GbE, 1x IPMI
Time synchronization	1 configurable as either 1PPS, IRIG-B or PTP
Size	1U 19-inch rack mount
Dimensions	Height: 43.2mm (1.7")
	Width: 437mm (17.2")
	Length: 698mm (27.48")
Weight	14.4kg (31.7 lbs)
Power supply	Dual redundant 750W AC or DC
Maximum power consumption	600W
Operating temperature	10-35°C (50-95°F)
Operating humidity	8-90% non-condensing
Maximum heat load	2046 BTU/hr

### Companion Products

A wide range of fiber optics and electrical transceivers is available. See [endace.com/accessories](http://endace.com/accessories) for details.

For more information on the Endace portfolio of products, visit: [endace.com/products](http://endace.com/products)

For further information, email: [info@endace.com](mailto:info@endace.com)