EndaceProbe™ 4100 G4 Series Analytics Platforms provide 100% accurate Network History recording and Playback™ on four 1GbE/10GbE links or one 40GbE link.

Sustained write speeds up to 20 Gbps make the 4100 G4 Series ideal for on-demand recording on high-speed links or deploying in remote locations where the 4100 G4's 7.6 Terabytes of ultra-reliable SSD storage ensures low-touch maintenance.

Smart Truncation™ and compression enable even higher write speeds and effective storage depth of more than 20 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.

- Definitive evidence for quickly and accurately resolving security threats and network or application performance problems
- Built-in compression optimizes storage capacity
- Smart Truncation can auto-truncate 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**

<table>
<thead>
<tr>
<th>Performance</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Write to disk</td>
<td>20 Gbps sustained</td>
</tr>
<tr>
<td></td>
<td>&gt; 40 Gbps compressed</td>
</tr>
<tr>
<td></td>
<td>20 Million packets per second</td>
</tr>
<tr>
<td></td>
<td>&gt; 2s microburst @ 40 Gbps</td>
</tr>
<tr>
<td>Maximum Flow Creation Rate</td>
<td>400K flows/sec</td>
</tr>
<tr>
<td>Maximum Concurrent Flows</td>
<td>6 Million</td>
</tr>
<tr>
<td>Number of Application Dock Instances</td>
<td>Up to 12</td>
</tr>
<tr>
<td>Storage depth</td>
<td>Native 7.6 Terabytes SSD Packets &gt; 20 Terabytes</td>
</tr>
<tr>
<td>Physical size</td>
<td>1U Rack Mounted</td>
</tr>
</tbody>
</table>

1 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.

2 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.

Host open source and third-party analytics applications to reduce CAPEX and OPEX, improve efficiency and increase 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.

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**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 network security and performance solutions
- Shared access to a common, authoritative source of network history for all applications.

**EndaceProbe 4100 G4 Series – Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum OSM release</td>
<td>OSm 6.5.7</td>
</tr>
<tr>
<td>Monitoring ports</td>
<td>Up to 4 x 1GbE/10GbE or 1 x 40GbE</td>
</tr>
<tr>
<td>Management interfaces</td>
<td>2x 1/10GbE, 1x IPMI</td>
</tr>
<tr>
<td>Time synchronization</td>
<td>1 configurable as either 1PPS, IRIG-B or PTP</td>
</tr>
<tr>
<td>Size</td>
<td>1U 19-inch rack mount</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Height: 43.2 mm (1.7”)</td>
</tr>
<tr>
<td></td>
<td>Width: 439 mm (17.28”)</td>
</tr>
<tr>
<td></td>
<td>Length: 712 mm (28.03”)</td>
</tr>
<tr>
<td>Weight</td>
<td>16.6 kg (36.37 lbs)</td>
</tr>
<tr>
<td>Power supply</td>
<td>Dual redundant 1100 W AC PSU or Dual redundant 750 W 48 V DC PSU</td>
</tr>
<tr>
<td>Maximum power consumption</td>
<td>650 W</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>10-35°C (50-95°F)</td>
</tr>
<tr>
<td>Operating humidity</td>
<td>8-90% non-condensing</td>
</tr>
<tr>
<td>Maximum heat load</td>
<td>2217 BTU/hr</td>
</tr>
</tbody>
</table>

**Companion Products**

A wide range of fiber optics and electrical transceivers is available.

Contact sales@endace.com for details.

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

For further information, email: sales@endace.com