

DAG 3.7D



The Endace DAG® 3.7D 2-port network monitoring card provides sustained lossless traffic capture on ATM or HDLC networks at DS3/E3 speeds.

The DAG 3.7D enables operators to develop solutions that inspect all traffic at the network edge for security threats, and precisely measure network performance and latency to improve end users' experiences.

On high-speed ATM or HDLC networks at DS3/E3 speeds, the DAG 3.7D delivers the **power to see all** to your applications.

KEY FEATURES

- Network monitoring interface card for ATM, HDLC, and Frame Relay networks
- Mini-SMB format DS3/E3 Network Interfaces (2x RX, 2x TX). Coaxial cables supplied with standard BNC connectors
- 100% packet capture into host memory at full line rate for all packets from 40 to 2040 bytes
- Full packet, header only, or set length (truncated) packet capture
- Support DSX-3 monitor mode (via 20dB tap)
- Optional Kentrox (dsu mode 1) subrate support, upon application and subject to licensing¹
- Precise packet timestamping and clock synchronization by GPS for applications that require highly accurate measurements over long distances
- Support for industry standard PCAP capture format (libPCAP / WinPCAP)
- Operates in either monitoring or terminated mode
- Designed to integrate easily into existing server hardware with 32-bit PCI bus technology

¹ Please contact sales@endace.com for information on licensing.



DAG 3.7D – Technical Specifications

Electrical interface	Mini SMB with four supplied Mini-SMB to BNC Cables for DS3/E3 ²
Network type	ATM (ADM, PLPC), HDLC, PPP Frame Relay
Time synchronization	External: 'RJ45' connector for RS-422 PPS Signal from GPS or CDMA receiver Internal: Host PC clock Also able to synchronize with other DAG cards
Packet timestamping	60ns clock resolution
PCI interface	PCI 32-bit 33MHz 3V and 5V signaling
Operating systems requirements	Endace software is supported on the following operating systems: LINUX, FreeBSD, Windows Server 2003 and 2008
Power requirements	Less than 10W
Operating temperature	32 to 131°F (0 to 55°C)
Airflow requirements	200 LFM (@ 50°C Ambient)
Operating humidity	5 to 95% non condensing
Physical dimensions	Full height, half length PCI2.2 Height 4.2" (106.7mm) Length 6.9" (175mm)

Companion Products

The following products are compatible with the DAG 3.7D:

Cables

4m (12ft) low-loss 75ohm coaxial cable with Mini-SMB to BNC-Male (jacket) connector	CBL-SMB-BNC-M
4m (12ft) low-loss 75ohm coaxial cable with Mini-SMB to BNC-Female (bulkhead) connector	CBL-SMB-BNC-F

Time Measurement Accessories

Trimble Acutime™ Gold GPS receiver	GPS-2
EndRun Technologies Præcis Ct™ CDMA receiver	CDMA-1
Endace 2-port Time Distribution Server, accepts serial input from GPS/CDMA sources	TDS-2
Endace 6-port expansion module for TDS-2, shares common reference time source	TDS-6
Endace 24-port Time Distribution Server, accepts serial input from GPS/CDMA sources	TDS-24

For information about Taps, Switches, and Cables visit endace.com/accessories

For more information on Endace products visit: endace.com
For enquiries email: enquiries@endace.com