Dragon™ Network Sensor

- High-speed network intrusion defense available via software or appliance
- Protects at the network layer using signature-based pattern matching, protocol monitoring and anomaly detection techniques
- Active Response features can terminate sessions and reconfigure firewalls, switches and routers

Data Sheet

- **Open tunable signatures**
  - — Implementation, modification, and custom creation of signatures to detect the attacks unique to each environment
- **Multi-interface monitoring**
  - — Combines multiple network interfaces into a single traffic stream, enabling dual-tap—without a switch
- **IP defragmention and TCP/UDP stream reassembly**
  - — Identifies attackers who attempt to evade an IDS by distributing attacks over multiple packets
- **Protocol decoding**
  - — Identifies attackers who hide an attack within an application protocol
- **IDS Denial of Service**
  - — Countermeasures defeat tools such as “stick” and “snort”
- **Event sniping**
  - — Terminates an attack session via a TCP reset or ICMP unreachable message
- **Dynamic reconfiguration**
  - — Stops attacks through Checkpoint firewalls and blocks hackers on most commercial switches and routers
- **Probe prevention**
  - — Defeats or confuses scanning techniques with false responses
- **Backdoor and rogue server detection**

Powerful Network Intrusion Defense

A sophisticated software- and appliance-based network intrusion defense system, the Dragon Network Sensor identifies misuse and attacks across the network.

Placed at network aggregation points, the Dragon Network Sensor is unmatched in detecting intrusions via signature, protocol, and anomaly-based techniques. Application-based event detection detects non-signature-based attacks against commonly targeted applications including HTTP, RPC and FTP. These multimethod detection techniques—combined with an extensive, frequently updated signature database and false-positive tuning capabilities—ensure that no intrusion goes undetected.

When an attack is detected, Dragon Network Sensor employs a variety of **Active Response** techniques to block the would-be intruder, including taking action to stop the sessions and reconfiguring firewall policies or switch and router Access Control Lists.

Dragon Network Sensor offers **market-leading deep forensics capabilities**, including flexible packet capture, complete session reconstruction, and highly configurable Session VCR (collects all session information for services such as HTTP, FTP, POP and certain IPs or networks) that is needed to analyze network-based attacks.

Dragon Network Sensor is centrally managed via **Dragon Enterprise Managment Server**, which provides signature and configuration updates, as well as reporting and event management, including event description, source/destination IP, source/destination port, offending packet, session (if configured), and timestamp.

Additional Dragon Appliances

Dragon’s **Integrated Network Sensor/Server** is an all-in-one solution for remote/branch offices that require a single system for network-based intrusion detection, log aggregation, and local management/monitoring. The Integrated Network Sensor/Server includes the Dragon Network Sensor for network monitoring; **Dragon Host Sensor** for local protection, log aggregation and analysis; and Enterprise Management Server for local management, monitoring, and event processing.

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Specifications

Technical Specifications

FE100 Dragon Network Sensor Appliance
Performance rating: 100 Mbps
Architecture: Intel XEON
Memory: 512 MB, 20 GB IDE hard drive
NICs: 2 10/100 copper, 1 10/100/1000 copper
Supports multi-interface monitoring

GE250 Dragon Network Sensor Appliance
Performance rating: 250 Mbps
Architecture: Dual Intel XEON
Memory: 512 MB, 36 GB SCSI hard drive
NICs: 3 10/100/1000 copper
Supports multi-interface monitoring

GE500 Dragon Network Sensor Appliance
Performance rating: 500 Mbps
Architecture: Dual Intel XEON
Memory: 1,024 MB, 36 GB SCSI hard drive
NICs: 2 10/100/1000 copper, plus 2 Gigabit fiber or 2 Gigabit copper NIC configuration
Supports multi-interface monitoring

Physical Specifications

Form Factor
1U rack-mount server chassis for EIA standard 310-D racks

Dimensions
4.32 cm (1.7") H X 42.9 cm (16.9") W X 58.42 cm (23") D (FE100 only)
4.32 cm (1.7") H X 42.9 cm (16.9") W X 60.71cm (23.9") D

Front Panel (Buttons)
Power on/off button, system-reset button, ACPI sleep switch system ID button, and tool-activated NMI switch (FE100 only)

Front Panel (LEDs)
Power, hard drive activity, network activity (two), and general system fault

Environmental Specifications

Operating Temperature
+5º C to +35º C (41º F to 95º F)
(maximum change not to exceed +10º C)

Non-Operating Temperature
-40º C to +70º C (-40º F to 158º F) (ambient)
Non-Operating Humidity
95% at 35º C (non-condensing)

Power Consumption
Voltage Range: 4.96 Amp at 115V
Voltage Range: 2.48 Amp at 220V

Agency and Standards Specifications

Safety
Argentina: IRAM Certificate
Australia/New Zealand: ACA/MED (FE100 only)
Belarus: Bellis Certificate (FE100 only)
Canada: UL 60950 – CSA 60950 (UL and cUL)
China: CNCA (FE100 only), GB4943 (CCC certification)
Europe/CE Mark: EN60950 (complies with 73/23/EEC)
Germany: GS License
International: IEC60950 (CB Report and Certificate)
Nordic Countries: EMKO – TSE (74-SEC) 207/94 (excluding FE100)
Russia: GOST 50377-92
U.S.: UL60950 – CSA 60950 (UL and cUL)

Electromagnetic Compatibility (EMC) (Class A)
Australia/New Zealand: AS/NZS 3548 (based on CISPR 22)
Canada: ICES-003
China:GB 9254 and GB 17625 (CCC certification)
Europe/CE Mark: EN55022, EN55024 and EN61000-3-2;-3-3 (complies with 89/336/EEC)
International: CISPR 22
Japan: VCCI
Korea: RRL, MIC 1997-41 and 1997-42
Russia: GOST 29216-91 and 50628-95
Taiwan: CNS13438 (excluding FE100), BSMI RPC (FE 100 only)
U.S.: FCC, Part 15

Ordering Information

Network Sensor Appliance

DSNSA-FE100-TX
Dragon FE100 Network Sensor Appliance for the small/branch office

DSNSA-GE250-TX
Dragon GE250 Network Sensor Appliance for the regional office, small data center (copper network interface card)

DSNSA-GE250-SX
Dragon GE250 Network Sensor Appliance for the regional office, small data center (fiber network interface card)

DSNSA-GE500-SX
Dragon GE500 Network Sensor Appliance for the data center (fiber network interface card)

DSNSA-GE500-TX
Dragon GE500 Network Sensor Appliance for the data center (copper Gigabit network interface card)

Sensor/Management Appliances

DSISA2-TX
INS2 Integrated Network Sensor/Server (copper network interface card)

DSISA2-SX
INS2 Integrated Network Sensor/Server (fiber network interface card)

Warranty

As a customer-centric company, Enterasys is committed to providing the best possible workmanship and design in our product set. The Dragon product family includes a ninety (90) day warranty for software that covers defects in media only, and a one (1) year warranty for hardware.

Service and Support

Enterasys understands that superior service and support is a critical component of ***Networks that Know***.™ The Enterasys **SupportNet Portfolio**—a suite of innovative and flexible service and support offerings—completes the Enterasys solution. SupportNet offers all the post-implementation support services you need—online, onsite or over the phone—to maintain your network availability and performance.

Additional Information

For more information about Enterasys Dragon, visit the web at **http://www.enterasys.com/products/ids**

Contact Information

Contact Enterasys Sales at **877-801-7082** or **enterasys.com/corporate/contact/contact-sales.html**

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