

VOYAGER

Multiport RMON2 Probe for Full- or Half-Duplex 10/100 Ethernet LANs

Product Features

- Line-rate RMON2 on all ports.
- Best price/performance in the industry.
- 4- or 8-port versions available in a slim, rackmountable form-factor.
- Unrivalled data accuracy for the most demanding billing, service level management, and capacity planning applications.
- Built-in fault-tolerant tap allows any pair of ports to monitor full-duplex links without the need for an external device.
- High-port density and fault-tolerant full-duplex support make Voyager ideal for switch-server and collapsed backbone environments.
- Full-duplex mirror ports allow for line-rate, external packet capture and filtering.
- Full RMON2-compliance allows interoperability with numerous off-the-shelf reporting and monitoring applications.
- Telnet and serial port for remote configuration



While the need for increased bandwidth has resulted in the widespread deployment of high-speed switched LANs, the tools required to manage them have not kept pace. In addition, the unprecedented growth of the Internet, intranets, and extranets has led to highly unpredictable traffic patterns.

Network managers looking to regain control have begun using management tools that let them be more proactive rather than reactive. Emerging applications that focus on reporting, service-level management, and policy-based management rely on pervasive instrumentation for data collection. RMON2 is one standard that provides a significant portion of that data with its ability to identify protocol distribution, application usage by user, and network-wide conversations.

While RMON2 provides extremely valuable information, it unfortunately comes at a cost that is typically prohibitive to allowing a network manager to appropriately instrument his network. With the amount and speed at which this data must be collected, current probes based on traditional hardware architectures cannot keep up, thus resulting in inaccurate information.

Enter Shomiti's Voyager, the silicon-accelerated multi-port RMON2 probe for 10/100BaseT networks that boasts million-plus packet per second performance across all ports, half- or full-duplex. With the industry's best price/performance, network managers can now cost-effectively instrument their networks and have confidence in the integrity of the data being gathered. Applications that offer long-term trending and service-level management can now be counted on for accuracy, saving corporations valuable bottom-line dollars.

Based on Shomiti's own ASIC technology, Voyager overcomes performance issues associated with other RMON2 probes, at a competitive price. Available in either a 4- or 8-port version, Voyager can save valuable rack space and is particularly suited to environments using the new Fast EtherChannel technology from Cisco and Intel. Voyager's fault-tolerant internal tap feature allows it to monitor up to 4 full-duplex connections, user configurable on a per port-pair basis. In addition to supporting RMON's packet capture and filter groups internally, an added pair of ports allows Voyager to mirror any full-duplex stream to an external device when line-rate filtering and packet capture is required. Voyager also offers a serial port for out-of-band configuration as well as a separate 10/100BaseT port for communication with a management application.

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Technical Specifications

Operational Specifications

Monitor Ports	Four or Eight 10/100BaseT (RJ-45)
Management Port	One 10/100BaseT Ethernet (RJ-45)
Full-duplex Tap Ports	Two 10/100BaseT Ethernet (RJ-45)
System LEDs	Power, Status
Port LEDs	Tap, Link, 10/100
Mgmt Port LEDs	Link, 10/100, Rx, Tx
Push Buttons	Half-, full-duplex
Console Interface	RS-232 (DB-9)
Tap/Mirror Interface	RS-232 (DB-9)
Memory	128MB/256MB (4port/8 port)

Power Specifications

Power Consumption	150 W
Fuse Protection	2.5A 250V
Input Voltage Range	85 to 265 VAC
Input Frequency	47 to 63 Hz
Heat Dissipation	500 BTU/hr max.
Inrush Current (Peak)	27 A max.

Application Interoperability

Concord Network Health v 4.0
Cisco Traffic Director v 5.1
Technically Elite MeterWare v 6.0
NetScout Manager Plus v 5.1
INS EPRO v 5.0
DeskTalk TrendSNMP v 3.4.2
NextPoint S3 v 1.0

Physical Specifications

Height	2.75 in / 7 cm
Width	16.9 in / 43 cm
Depth	16.2 in / 41 cm
Weight	16.0 / 7.3
Mount	19 in rack mount

Standards Compliance

RFC 1757	RMON
RFC2021, 2074	RMON2
RFC 1213	SNMP MIB II
RFC 854	Telnet server support

Environmental Specifications

Temperature	
Operational	0° to 40° C
Non-operational	-10° to 65° C
Humidity	
Operational	10 - 95% non-condensing
Non-operational	10 - 95% non-condensing
Electromagnetic Compatibility	FCC Class A, CE
Safety	UL, CUL, TUV



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