

# EXPLORER

## Distributed 10/100 Ethernet Analyzer System

### *Product Features*

- Portable or rack mount system for high performance network analysis.
- Lightweight unit with laptop PC dimensions.
- Silicon-accelerated hardware engine captures every packet under any network load using any user-defined filter.
- Separate auto-sensing 10/100 Ethernet RJ-45 port provides connectivity to network or local PC for management access.
- Manageable locally or remotely from any PC equipped with Surveyor Remote software.
- In-band management via Telnet and SNMP.
- Connection to Century 12-Tap facilitates cost-effective analysis and monitoring of up to twelve 10/100 Ethernet segments from a single Explorer.
- Full-duplex configuration monitors and analyzes a single full-duplex or two half-duplex 10/100 Ethernets.
- Half-duplex configuration monitors and analyzes a single half-duplex 10/100 Ethernet.



Explorer is a powerful, full-featured analysis and monitoring system designed for field service and network operations personnel. Accessed locally or remotely by Surveyor software, Explorer provides the tools necessary to effectively diagnose, troubleshoot and monitor any full or half-duplex 10/100 Ethernet network.

Field service personnel require a portable, lightweight system that can quickly locate the source of a problem. The size of a laptop PC, Explorer connects to a laptop running Surveyor software through a 10/100 Ethernet port.

Network operations personnel need both a powerful troubleshooting device and a monitoring system that can provide a real-time view of the network. Explorer's high performance architecture, consisting of silicon-accelerated hardware and a MIPS R4000 processor, can capture every packet and troubleshoot network problems at even the highest 10/100 Ethernet network loads.

Explorer is also the ideal system to deploy in the wiring closet. Rack mounted with 10/100 Ethernet switches, hubs, and routers, Explorer can collect information from any segment directly connected to the system. When connected to Shomiti's Century 12-Tap, Explorer provides troubleshooting and monitoring capabilities for up to 12 full or half-duplex segments.

Explorer can also be deployed remotely at those locations not frequented by technicians or field support personnel. Deployment at these remote locations and strategic points in the network provide an effective way to manage many Ethernet segments. Just connect the management port to any 10/100 Ethernet segment and it becomes accessible from any Surveyor system on the network.

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## Technical Specifications

### Operational Specifications

|                      |   |
|----------------------|---|
| Analyzer Ports       | 10/100 RJ-45,<br>10/100 MII             |
| Analyzer Port LEDs   | Link, 10/100Mbps                        |
| Management Port      | 10/100 RJ-45                            |
| Management Port LEDs | Power, Status,<br>Link, 10/100Mbps      |
| Console Port         | 9-pin serial port<br>connects to PC     |
| Century Tap Port     | 9-pin serial port<br>connects to 12-Tap |
| Management           | SNMP, Telnet                            |

### Power Specifications

|                       |                                  |
|-----------------------|----------------------------------|
| Power Consumption     | 75W                              |
| Fuse Protection       | 2.5A 250V                        |
| Input Voltage Range   | 90 to 135 VAC,<br>180 to 270 VAC |
| Input Frequency       | 47 to 63 Hz                      |
| Inrush Current (Peak) | 27A 115 VAC,<br>54A 230 VAC      |

### Physical Specifications

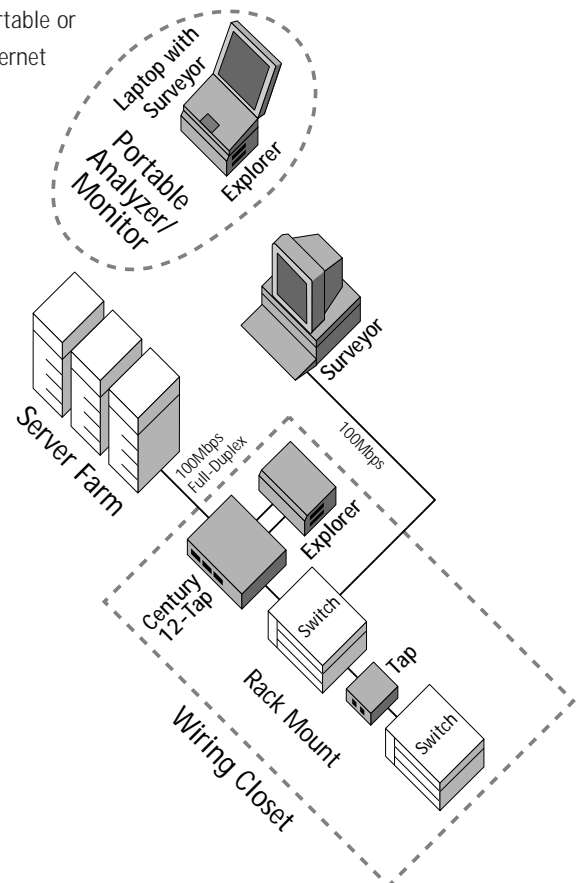
|        |                   |
|--------|-------------------|
| Height | 2.6 in / 6.5 cm   |
| Width  | 12.2 in / 31.1 cm |
| Depth  | 9.0 in / 22.9 cm  |
| Weight | 7.0 lb / 3.2 kg   |
| Mount  | 19 in rack mount  |

### Environmental Specifications

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

## Explorer Deployment

Explorer can be deployed as both a portable or rack-mountable integrated 10/100 Ethernet analyzer plus monitor system. The size of a laptop PC, a field service engineer can connect Explorer directly to the network segment to be viewed. Rack mounted in a wiring closet, Explorer can also be attached to a Century 12-Tap to analyze up to 12 full-duplex Ethernet segments. Explorer's management port connects to any 10/100 Ethernet port in the network, thereby enabling it to be managed by any Surveyor system installed with the Remote software module.



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