



The 4262 Network WAN Probe

T1 / E1 intelligent WAN IP probe.

Main Features:

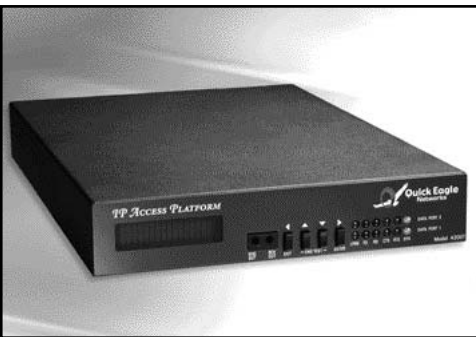
- In-line T1/E1 WAN Probe
- End-to-end IP Service Level Verification
- Accurate and resilient measurements
- Frame Relay, PPP, and Cisco HDLC support
- Ethernet management port
- Embedded SNMP agent
- DiffServ monitoring
- Protocol and applications monitoring (RMON-1, RMON-2)
- Frame Relay Service Level Agreement FRF.13 compliant
- User level security

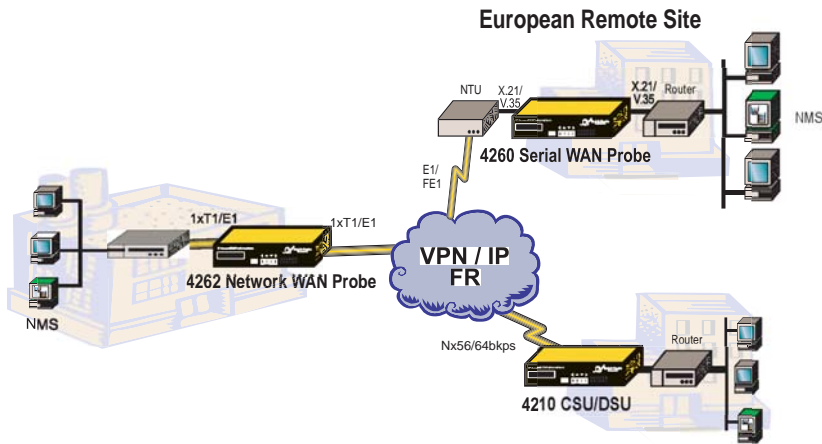
The 4262 Network WAN Probe™ (T1 to T1 or E1 to E1) is the newest addition to Quick Eagle Networks' family of intelligent WAN access and IP probe devices.

Sitting at the line of demarcation, Quick Eagle's end-to-end IP Service Level Verification (IP SLV) WAN probes provide accurate and reliable network performance metrics. Throughput, availability, and latency are measured in real time on the entire IP link between any or all known endpoints of the IP network. Using IP SLV, enterprises, service providers, and government agencies can define and measure Service Level Agreements (SLAs) for Virtual Private Networks or IP-based networks.

At remote sites already equipped with routers and CSU/DSUs, the 4262 Network WAN Probe installs in-line on the T1/E1 connection, using a proprietary layer-3 signalling protocol to measure and exchange network performance data with other Quick Eagle Networks WAN probes on your IP network.

The 4262 Network WAN Probe is SNMP-manageable, offers menu-driven configuration, includes comprehensive diagnostics, and complies with industry and regulatory standards. Additional network performance monitoring features include RMON-1 transport protocol performance statistics and RMON-2 applications and protocols monitoring, providing network visibility up to the application layer.





Quick Eagle Networks

4262 Network WAN Probe

Access Speed	T1	E1
Network Interface		
Network Port	1 T1 ANSI 403 port	1 E1 G703/G704 port
Line Rate	T1 (1.544 Mbps ± 50 bps)	E1 (2.048 Mbps ± 50 bps)
Connector Type	100 ohm RJ-48C socket	120 ohm RJ-48C socket or 75 ohm BNC
Line Code	AMI or B8ZS	HDB3
Framing	D4 or ESF	ITU-T G.704/CTR 12
Output Level	0 db, -7.5 db, or -15 db LBO	ITU-T G.703/CTR 12
Input Level	0 to -26 db	0 to 20 dB
System Timing	Network, Aux, internal	Network, DTE, Aux, internal
Data rates	Nx56/64 kbps (N=1 through 24)	Nx64 kbps (N=1 through 31) (structured), 32x64 kbps (unstructured)
Management Connectors		
COMM Port	RJ-45 socket	RJ-45 socket
Ethernet	RJ-45 socket	RJ-45 socket
WAN Protocols	PPP, Frame Relay, and Cisco-HDLC	PPP, Frame Relay, and Cisco-HDLC
Power Requirements		
Voltage	100 VAC to 240 VAC, 50-60 Hz or -40 VDC to -72 VDC (both on the same platform)	100 VAC to 240 VAC, 50-60 Hz or -40 VDC to -72 VDC (both on the same platform)
Consumption	9 W maximum	9 W maximum
Regulatory	FCC Part 15, FCC Part 68, UL 1950 Third Edition, Industry Canada CS-03 VCCI Class 1 CAN/CSA C22.2 No. 950-95	European harmonized standards 73/23 EEC, 91.31/EEC, 89/336/EEC, 93/68/EEC, and 91/263/EEC; UL 1950 3rd Ed.; CAN/CSA C22.2 No. 950-95; Comision Federal de Telecomunicaciones; CISPR 22 Level B (EN 55022), RoHS compliant
Diagnostics		
Loopback Tests	T1 network, T1 payload, fractional T1 payload, loop-up/loop-down commands	E1 network, E1 payload, fractional E1 payload, loop-up/loop-down commands
Loopback Control	T1 set/reset codes, ESF FDL per AT&T 54016 and ANSI T1.403 Annex B	E1 set/reset codes
Test Patterns	1:1, 1:2, 1:4, 1:7, 3:24, ORW, all 0s, all 1s, smart jack, two user-programmable 24-bit patterns, bit error injection	1:1, 1:2, 1:4, 1:7, 3:24, ORW, all 0s, all 1s, two user-programmable 24-bit patterns, bit error injection
Network Alarms	Net carrier loss, net sync loss, net AIS received, net yellow received, CRC, BPV, OOF threshold	Loss of signal, loss of frame, remote alarm indication, alarm indication signal, CRC4, CV, FE
Physical		
Dimensions	1 RU, rack mountable 22.3 cm (8.75 in) W, x 33 cm (13 in) D, x 4.13 cm (1.63 in) H	1 RU, rack mountable 22.3 cm (8.75 in) W, x 33 cm (13 in) D, x 4.13 cm (1.63 in) H
Weight	2.27 kg (5 lbs.)	2.27 kg (5 lbs.)
Environmental		
Operating Temperature	0° - 50° C	0° - 50° C
Storage Temperature	-20° - 60° C	-20° - 60° C
Relative Humidity	0 - 95% non-condensing	0 - 95% non-condensing
Maximum Altitude	4.6 Km (15,000 ft)	3048 m (10,000 ft)

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