

MODEL 9145ELB

Multi-Port 10 Gigabit Network Interface Device (NID)

Canoga Perkins 9145ELB Multi-Port 10 Gigabit Network Interface Device (NID) is equipped with 16 User Ports and a modular 10 Gigabit Ethernet Ports. It provides the comprehensive set of features needed for Metro Ethernet Services while being exceptionally easy to deploy and manage.

Using a sophisticated VLAN multiplexing system, the 9145ELB provides comprehensive EVC and Class of Service deployment options to accomplish your service objectives. Performance Testing, EVC availability monitoring are just two of the many tools and features available to ensure that the service your customers expect is delivered.

The 9145ELB is a member of the industry leading 9145E NID Family supporting Metro Ethernet Services ranging from 10 Mbps to 10Gbps. The Family includes GR-3108 Hardened models for OSP installations. The entire family supports a common set of features and functions, enabled by a network processor employing a scalable architecture.

With the 9145ELB, specific local loop and customer termination issues are quickly identified, so personnel can be efficiently dispatched to correct specific issues, not just troubleshoot, thus increasing service availability and reducing OPEX.

VLAN Service Multiplexing interleaves Subscriber traffic onto the Network Ports. Subscriber Traffic entering each UNI is classified, policed, queued, S-Tagged and scheduled for transmission on the Network Port for transport. This allows Service Providers to simplify provisioning and configuration, leading to quicker installation and troubleshooting with fewer mistakes.

The 9145ELB's advanced feature set has the power for today's and tomorrow's most demanding and sophisticated services - including per EVC traffic stats, Service Availability Monitoring, Performance Measuring, OAM, CFM and Packet filtering. Future features are added with a simple software update.



FEATURES:

- **16 User Ports - 16 10/100/1000 UTP, 16 100/1000 SFP or 8 UTP + 8 SFP, Modular Network Ports, Local Ethernet Management OOB Port**
- **802.3ad Link Aggregation (LAG) on Ethernet Network Interface Module.**
- **Wide Range of Standard, Single Fiber BiDi, CWDM, DWDM and UTP SFP/SFP+ Optics Available**
- **Advanced Management Access using SNMP v1/v2c/v3, Telnet, RMON and Local Management Ports**
- **CanogaView Element Management System, SunNet Manager and Other SNMP Based Manager Support**
- **EVC Tagging Functions including 802.1ad compliant Tagging and Tag Stacking, Translation and P-Bit Re-Marking**
- **Advanced OAM Functions including 802.3ah (EFM Link OAM), 802.1ag (CFM Service OAM), Y.1731 for On-Demand Throughput Measurements, Performance Monitoring and Service Availability**
- **Management Security Ensured with SSH, SFTP and Radius Client**
- **AC, 48VDC and 24VDC Modular Redundant Power Supplies**



World Headquarters

20600 Prairie Street
Chatsworth, CA 91311-6008
Phone (818) 718-6300 • Fax (818) 718-6312
E-mail: fiber@canoga.com

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Specifications

● PHYSICAL

Dimensions

1.75" H x 17.5" W x 10.5" D
(44mm x 210mm x 290mm)

Weight

11.3 lbs (5.1 kg)

Mounting

Single Unit Rack Mount (19" & 23")
Tabletop

● POWER

AC Power Supply

100 VAC to 240 VAC, 50 to 60 Hz
Auto Ranging, 120W

DC Power Supply

48 VDC: 36 VDC to 72 VDC, 120W
24 VDC: 18 VDC to 32 VDC, 120W

● MANAGEMENT

SNMPv1, SNMPv2c and SNMPv3
Serial Terminal
CanogaView Smart Element Manager
Telnet, RADIUS Client

● INTERFACES

User – 16 1 GbE Ports (10/100/100 UTP, 100/1000 SFP)
16 UTP, 16 SFP, 8 UTP + 8 SFP
Network – Multi-port Interface Modular
2 Port 10 Gigabit Ethernet, SFP+ Optics
Ethernet Management – 1 Port
10/100 UTP, Auto MDI/MDIX
Serial Craft – 1 Port, 9.6-19.2Kbps Async

● Standards Compliance (partial listing)

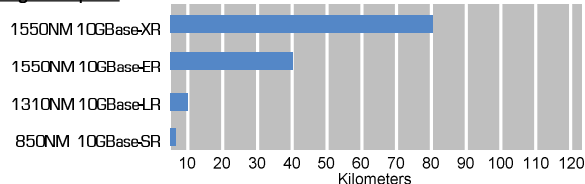
IEEE 802.3ad Link Aggregation
IEEE 802.1ad VLAN Tagging
IEEE 802.3ah Link OAM
IEEE 802.1ag Service OAM, ITU Y.1731
MEF 9 & 14 Certified (Pending)

● OPERATING ENVIRONMENT

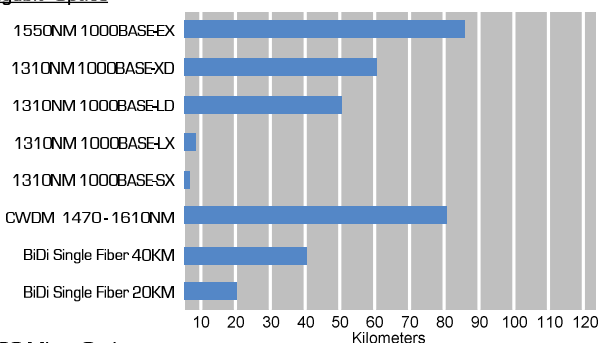
0° to +50°C (32° to 122° F)
5% to 90% RH (non-condensing)

● Optical Distances

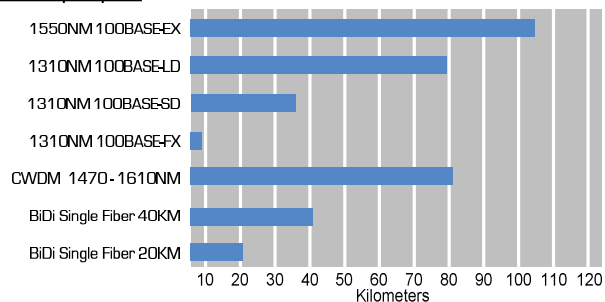
10 Gigabit Optics



Gigabit Optics



100 Mbps Optics



These are typical distances on SMF-26 fiber. Actual distance is dependant on fiber type, condition and configuration. Please contact your Canoga Perkins' sales representative for current SFP and SFP+ offerings.

● REGULATORY COMPLIANCE

UL, cUL (UL 60950, CAN/CSA C22.2 No. 60950) EN 60950
EN 60825-1, IEC 60825-1
EN 55022, EN 55024
EN 61000-3-2, EN 61000-3-3
FCC Part 15B, Class A, ICES-003 Class A
C-Tick (AS/NZS 3548)

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TL9000
TL9000 Registered

6054100C



www.canoga.com