

OUTDOOR GIGABIT NID

Model 9145E Network Interface Device (NID)

The Outdoor 9145E NID is the industry leading 9145E Gigabit Metro Ethernet Network Interface in a GR-3108 Class 4/GR-487 certified Package. Network, User and Power connect via weatherproof screw-in and twist lock connectors on the bottom of the NID or using conduit, giving service providers the flexibility to meet the needs of individual installations.

The Mounting Bracket for the 9145E Outdoor NID provides for Pole or Wall Mounting. The combination of strap, thru-bolt or lug attachment means it can be mounted to wooden, metal, concrete and other types of surfaces. The Mounting Bracket and NID are separable. After the Mounting Bracket is attached, the unique design of the bracket supports the weight of the NID while four Bracket-to-NID attachment bolts are tightened. The installer is able to use both hands to tighten the bolts, a major safety consideration when at the top of a ladder or in a bucket. The compact size and light weight (under 18 pounds) makes installation easy.

Network and User Optical Connections are provided using weather and water proof, industry standard Corning OptiTap® Cabling components (OptiTap® for GPON and BiDi Interfaces). This is a rugged, OSP proven fiber solution for such applications. UL Environmental Class 4 conduit hubs and glands ensure the weatherproof integrity of the NID.

The 9145E Outdoor NID's design ensures years of reliable performance in the harsh OSP environment. The 9145E NID's Metro Ethernet features enables service providers to maximize service availability and report on key service performance and availability metrics.

The combination of outdoor ruggedness and an industry proven Metro Ethernet Network Interface Device, the 9145E Outdoor NID is the solution for delivering Cell and Small Cell Backhaul Services, data networks for Utilities and Railroads, and other non-conventional installations for Metro Ethernet and Layer 3 VPN Services.



FEATURES:

- **External Weatherproof User Port and Network Port Optical Interfaces**
- **GR-3108 Class 4 – Direct Outside Plant Placement Exposed to Weather**
- **100 Mbps, Gigabit, CWDM, Single Fiber BIDI and GPON Network Interface Options**
- **Advanced Management Access using SNMP v1/v2c/v3, Telnet, RMON and Local Management Ports**
- **CanogaView® Element Management System, HP OpenView and SunNet Manager Support**
- **Ethernet Jumbo Packet Support – Transport, Diagnostics, Availability Monitoring and Network Performance Measuring**
- **VLAN Tagging, Stacking and P-bit Marking**
- **Remotely Activated and Configurable Loopback Diagnostics**
- **Advanced OAM Functions including 802.3ah (EFM Link OAM), 802.1ag (CFM Service OAM), Y.1731 On-Demand Throughput Measurements, Performance Monitoring (PM), Service Availability Monitoring (SAM) and Continuous Performance Monitoring**
- **AC and 24/48 VDC Power Options**
- **MEF 9 Tested and Certified**
- **NEBS Level 3, GR-3108 Class 4 and GR-487 Tested and Certified**



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MODEL 9145E

Network Interface Device (NID)

Specifications

- **PHYSICAL**

Dimensions (includes connectors)
13.5" H x 9.25" W x 6.5" D
(345mm x 230mm x 165mm)

Weight

9145E Outdoor NID
17.8 lbs (8.07 kg)

Mounting Bracket
2.9 lbs (1.32 kg)

Mounting

Pole Mounting
Wall Mounting
Through Bolts, Lag Bolts, Strap

- **OPERATING ENVIRONMENT**

-40° to +46°C (-40° to 115° F) with Solar Load
5% to 90% Relative Humidity (non-condensing)

- **POWER**

AC Power Supply
100 to 240 VAC, 50/60 Hz
Auto Ranging - 30W Max.
DC Power Supply
18 VDC to 72 VDC, 30W Max.

- **INTERFACES**

User Interface

100Mbps or 1 Gbps
Multimode or Single Mode
Corning OptiTip™ Cabling System
LC Connector (Conduit Version)

Network Interface

100Mbps or 1 Gbps
Multimode or Single Mode
Standard TX/RX 2 Fiber
Corning OptiTip™ Cabling System
LC Connector (Conduit Version)
Single Fiber BiDi or GPON
Corning OptiTap™ Cabling System
LC / SC Connector (Conduit Version)

Serial Craft Port

EIA/TIA-RS-232-E, DE-9 Connector
Accessible inside the Enclosure

- **REGULATORY COMPLIANCE**

ETL, cETL (UL 60950 CAN/CSA C.22 No. 60950,
EN/IEC 60950)
FCC Part 15B/ICES-003/VCCI Class A
EN 55022 Class A, EN 55024
NEBS Level 3 – GR-63 Core, GR-1089 Core
GR-3108 Class 4, GR-487



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