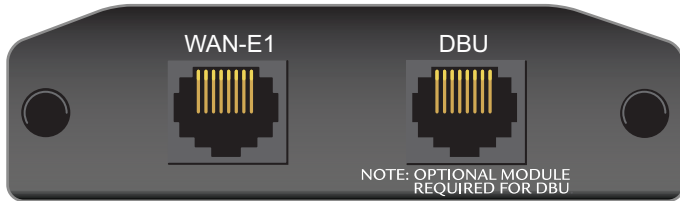


## NetVanta E1/FE1 Network Interface Module (NIM)

P/N 1200868E1/L1



### SPECIFICATIONS

<b>Operating Modes</b>	Frame Relay, Multilink Frame Relay, PPP, Multilink PPP, HDLC
<b>E1/FE1 Interface</b>	Supported Standards: ITU-T G.703, ITU-T G.704 (CRC-4), ITU-T G.823, ITU-T G.797 Line Rate: 2.048 Mbps $\pm$ 50 PPM E1 Line Rate: Channelized timeslot (in multiples of 56/64 kbps) Line Code: AMI or HDB3 Framing: FAS with optional CRC-4 Receiver Sensitivity: -30 dB Connector: RJ-48C
<b>Clock Source</b>	Network, internal
<b>Diagnostics</b>	Test Pattern Generation and Detection: QRSS, 511, all ones, all zeros Network loopbacks Alarm generation and detection Network performance data (15 minutes and 24 hours)
<b>Compliance</b>	FCC Part 15 Class A, EN 55022 Class A, EN 55024, EN 61000-3-2, EN 61000-3-3 AS/ACIF S016, ETSI TBR 12/TBR 13 EN 60950, IEC 60950, AS/NZS 60950 RoHS Compliant, Telecommunications Exemption (1200868E1 only)
<b>Physical</b>	Dimensions: 2.75-inch W x 4.25-inch D Operating Temperature: 0°C to 50°C Storage Temperature: -20°C to 70°C Relative Humidity: Up to 95 percent, noncondensing



*NetVanta modules should be installed only in NetVanta Series products.*

### INSTALLATION INSTRUCTIONS

1. Remove power from the base unit.
2. Slide the option module into the option slot until the module is firmly seated against the chassis.
3. Secure the pins at both edges of the module.
4. Connect the cables to the associated device(s).
5. Complete the installation of the base unit.
6. Restore power to the base unit.

### WARNING

*For NetVanta modules with outside plant connections, ensure that all cables are removed from the module before installing or removing it from the NetVanta chassis.*

### WAN-E1 NETWORK (RJ-48C) CONNECTION PINOUTS

Pin	Name	Description
1	R1	Receive data from the network - Ring 1
2	T1	Receive data from the network - Tip 1
3	—	Unused
4	R	Transmit data toward the network - Ring
5	T	Transmit data toward the network - Tip
6-8	—	Unused

### NOTE

*An optional dial backup interface module (DIM) is required for dial backup applications. For a description of the DBU pinouts, refer to the quick start guide included with your DIM shipment.*

### NOTE

**Important:** *For additional details on product features, specifications, installation, and safety, refer to the appropriate hardware installation guide on the AOS Documentation CD shipped with the base unit and available online at [www.adtran.com](http://www.adtran.com).*