# NetVanta 873 Carrier Ethernet Network Termination

## Ethernet is the undisputed, global choice for

### Product Features

THE R. LEWIS CO., LANSING, SEC.

- 3-port EFM (g.Bond) bonded DS3
- Up to 134 Mbps of resilient Carrier Ethernet service
- Certified MEF9, 14 Traffic Management Compliant
   1 RMU stackable with wall-
- mount or rackmount options

  Rapid deployment via
- EZ-Ethernet Provisioning

  Standards-based
- DAM supported

  Monitoring, fault detection, and loopback functions
- Rexible Bandwidth
   management
- Performance monitoring with threshold alarms
- Configurable queuing for CoS support
- Command Line Interface (CLI)
- Traffic storm protection to prevent service interruptions due to broadcast, multicast, unicast or L2CP traffic
- Small Form-factor Pluggable (SFP) 1000Base-X Ethernet
   Autosensine 10/100 Base-T
- Autosensing 10/100 Base-T Ethernet connections
- Industry-leading warranty

Metro Access Networks (MANs) and Local Access Networks (LANs), However, existing copper access networks do not facilitate an end-to-end high-bandwidth connection. creating a bottleneck. This bottleneck is the first mile of access. This refers to the access link (most often a TDM-based copper circuit) from the business customer's office LAN to their service provider's MAN, ADTRAN® affords service providers the ability to remove this bottleneck through the utilization of an improved data transmission standard. This standard, ITU-T G.998.2, is known as Ethernet in the First Mile (EFM), ADTRAN EFM over Copper (EoCu) defines a way to effectively and universally bond together, lower bandwidth copper loops or pairs of wires creating a Carrier Prhemet access connection

This innovative Bo'fa solution enables service providers to extend packet based butwinsa-class services beyond the reach of their filter retwork by leveraging the estating investment of copper-based TDM butwinsas services asserts. This means beeringing the fall advantages of TDM, the most understood, successful, and ubiquitous butwinses service inflanartenum. Due to budget restrictions and time to market requirements, deploying fifter to address surveives or dispersion of the commands in our fassible, serving a large provincing of polarity and fassible provincing of polarity and fastible provincing of polarity and polarity and fastible provincing of polarity and polarity a

The ADTIAN Both solution is comprised of the Neximan's Both ship of NTI and can be launched from our Ital Access\* 9000 and its of NTI and can be launched from our Ital Access\* 9000 and Society NTI delivers enhanced date rate capacity of the NTI delivers enhanced date rate capacity of the NTI delivers enhanced state rate (approximate of NTI leverages the estating cappers arrices one branded SIDISA: The Neximan SID Series NTI leverages the estating cappers arrices one to make a rivice as cased to the law rate to any customer state carrianty use Bis of It learners. The Italy of the NTI leverages the SIDISA: The NTI leverages the SIDISA of Its arrives. The Italy can be a support of the NTI leverage of the NTI leverage in the NTI leverage in

Quality of Service Healthility and Assurance The NewYorks 2009 Service flow peaked flow capabilities certified compilator per the Motor patholities certified compilator per the Motor Different Furnar. These packet flow capabilities profiling capabilities required to offer customers a facility, tered service offer, in addition to this highly configurable, generator bandwidth referent to tablest better developed (quality of Service) continued to the performance of the configurable continued to the performance of the configurable continued to the configurable configurabl

Reliable Service Connection Mechanisms

In the event single loop field, the NetVhitea 800 offers suffices, multisating talled 800 600 offers suffices, multisating talled with event the remaining active loops in outer to maintiss service. Once the failed loop is questional again, the NetVinta will automateally detected again, the NetVinta will automateally detected group, providing the original provisioned customer busicability, When deployed through the Total Access 5000, these NTUs tap into an unparalleled array of copper loop diagnostic tools that afford an even greater service sourance level.

#### Simplified Service Delivery

In order to improve service time to market and reduce deployment costs, the NetVanta 800 Series delivers a feature set designed to simplify service deployment and maintenance. ADTRAN Total Access EMS employs EZ-Ethernet Provisioning, minimizing the number of steps to provision a new service. The EIA-232 craft port enables local access for configuration and status information. A management VLAN is used to remotely configure and collect status information. The compact chassis and flexible deployment options offer wallmount or rackmount for superior flexibility. When wallmounted, any NetVanta 800 only occupies a 17-inch by 10-inch area of the customer's telephone wiring closet. For rackmount installations, custom 19-inch rackmount shelves are available.



Smart Solutions for a Connected World.



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# NetVanta® 873

Total Access System

3-port EFM over DS3



# **Product Specifications**

Physical Interface

Network Interface: DS3 = 75 ohm BNC

Contemper Four autosposing 10/10/Base-T Ethernet

- RJ-45
   Auto MDI/MDIX
- Auto-Rate
   Auto-Dunley
- Gigabit Ethernet Interface • Interface type: 1000 Base-X
- Connector: Single SFP
   Compliance: 902.3, 802.10, 902.10.
- Menagement: Console port • DB-9 • EIA-232
- Diagnostic LEDs

  Power/Alarm LED
  - DS3 loop status for each loop ■ Ethernet | FD
- Features

  E-Line support
  - Mini jumbo frame support (1700 Bytes)
    Efficient EFM bonding
  - Q in Q
     Flexible bandwidth profiles for rate limiting
     Traffic classification entions include CF-VI AN
  - port, p-bit, DSCP SNMP support
- Standards Compliant

  # IEEE 802.1p priority marking

  # IEEE 802.1d dynamic/transparent bridging
  - IEEE 802.1q VLAN tagging ■ IEEE 802.3-ah EFM standard ■ IEEE 902.3u Ethernet
  - MEF 9,14

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Management & Administration

Creft interface (Local, EIA-232)

Remote firmware upgrades

- Local: YMDDEM through craft port
- Remote: Managed through Total Access® 5000
   Flow through provisioning via Total Access EMS
- Supports DAM management status and loopback massaging
- Configuration script download Environment
- Operating Temperature: -40 C to +65 C (32 to 122 F)
   Storage Temperature: -40 C to +85 C (-4 to 158 F)
   Relative Humidity: Up to 95%, noncondensing
- Physical
  Dimensions: 44 mm (1.7 in.) H, 437 mm
  - (17.2 in.) W, 254 mm (10.0 in.) D Weight 36 kg
- DC Power: -48 VDC or +/-24 VDC (A or 8 power feed)
  Agency Approvals
- FCC Part 15 Class A
- FCC Part 68 ■ UL 60950, CAN/CSA C22.2 No. 60950
- EN 60950, IEC 60950, AS 3260/ AS NZS60950 ■ NEBS Level 3 ■ 5043.2

# Ordering Information

Equipment	Pest #
NetVanta 873	120063961
48VBC Power Supply, US Cord	1202470E1
48VDC Power Supply, EU Cord	1202470E2
48VBC Power Supply, UK Cord	1202470G3
48VIRC Preser Sepaly AUS Cord	120247014