NetVanta 1131
Redundant /External Power Supply Unit

Key Features

- Redundant and Extended Power Supply for NetVanta switches

- Redundant Power for up to three NetVanta switches

- Enables NetVanta switches to be powered from Dual AC circuits

- Backup 370 watts PoE budget power for NetVanta PoE switches

- Additional 370 watts PoE budget power for NetVanta 1638P

- Half-rack form factor, allowing two NetVanta 1131s to be mounted using the optional dual mounting tray

- Plug-and-play operation— requires no manual configuration

Supported Switches

- NetVanta 1534/1534P

- NetVanta 1535P with ActivReach

- NetVanta 1544/1544P

- NetVanta 1638/1638P with and without ActivChassis

With growing number of Power-over-Ethernet (PoE) powered edge devices, and the explosion of multi-media traffic and cloud-based apps on the Local Area Network (LAN), having a resilient network infrastructure is essential to your business. The key to having a resilient network is to ensure uninterrupted power.

ADTRAN® addresses this need with the NetVanta 1131 RPS/EPS unit, which provides redundant power and supplemental power to the NetVanta® 1600 Series, and redundant power to the NetVanta 1500 Series Gigabit switches.

Hardware
The NetVanta 1131 has three Redundant Power Supply (RPS) outputs and one External Power Supply (EPS) output. The RPS outputs provide backup power for a NetVanta 1500 or 1600 switch's internal power supply. The EPS output provides 370 watts of backup PoE for a NetVanta 1500 or 1600 PoE switch for PoE redundancy. In addition, the EPS output provides 370 watts of additional PoE for the NetVanta 1638P for a total of 740 watts of available PoE budget power.

Alternate Power Supply
The NetVanta 1131 RPS/EPS unit provides redundant power feeds via an alternate AC power circuit. In this instance, the NetVanta switch is connected to the primary AC circuit, and connected to NetVanta 1131 RPS/EPS, which is powered via an alternate AC power source. Should the primary AC

circuit fail, the NetVanta 1131 RPS automatically provides power feed to the connected NetVanta switch eliminating any downtime.
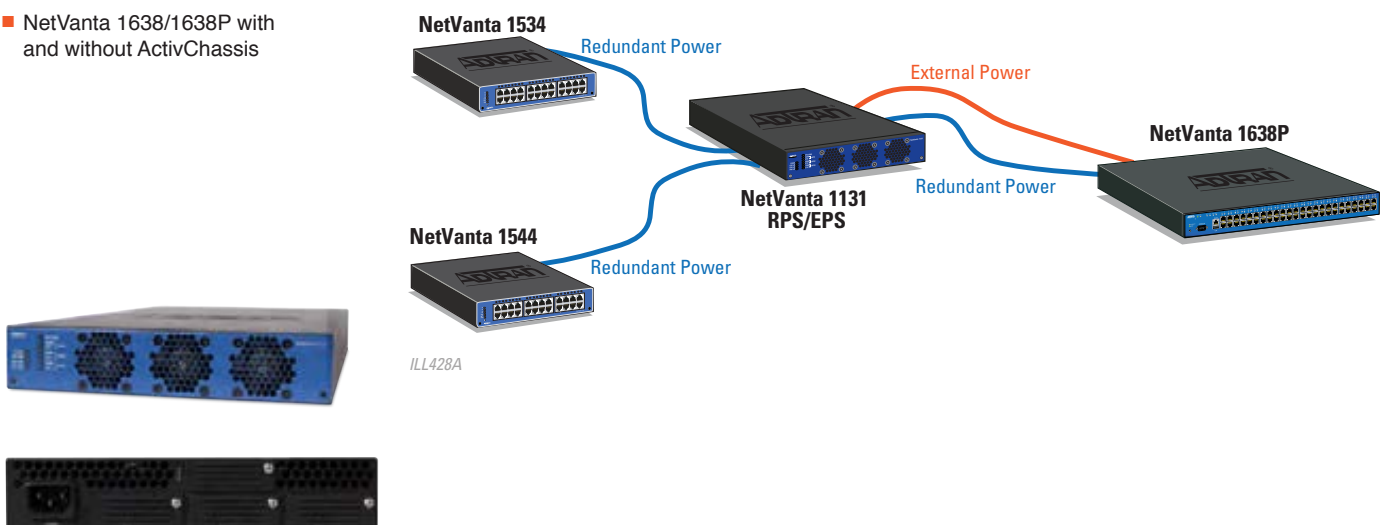
Internal Power Supply Backup
The NetVanta 1131 RPS output provides redundancy for NetVanta PoE and non-PoE switches in the event of an internal power supply failure. In the event the switch's internal power supply fails, the NetVanta 1131 would power the NetVanta switch until the power unit is replaced or swapped out.

Redundant PoE Budget
The NetVanta 1131 EPS output provides external backup power supply to the NetVanta 1500 and 1600 Series PoE switches, in case the internal PoE power supply fails. The NetVanta 1131 can provide up to 370 watts of redundant PoE budget to ensure PoE-powered edge devices such as VoIP phones, wireless Access Points (APs) or IP security cameras operate without interruption.

Supplemental PoE Power
The NetVanta 1131 EPS output can also provide supplemental power up to 370 additional watts, for the NetVanta 1638P Gigabit PoE switch. This provides increased power wattage, effectively doubling the available PoE budget, enabling the NetVanta 1638P to support greater number of PoE or PoE+-powered edge devices. The NetVanta 1131 EPS' internal power management enables efficient budgeting of available PoE power.

NetVanta 1534
Redundant Power
External Power
NetVanta 1638P
NetVanta 1131 RPS/EPS
Redundant Power
NetVanta 1544
Redundant Power

ILL428A

ADTRAN®

TL9000
TL19.1270

nsai
TL 9000
TELECOMMUNICATIONS
ISO 9001:2000
QUALITY
ISO 14001
ENVIRONMENT

ADTRAN is an ISO 9001, ISO 14001, and a TL 9000 certified supplier.

NetVanta 1131
Redundant /External Power Supply Unit

Product Specifications

Physical Interface
- Three RPS connectors
- One EPS connector

Redundant Power Supply (RPS)
- Three RPS ports
- 12V at 10A
- Capable of powering a single switch

External Power Supply (EPS)
- One EPS port
- 50V at 7.5A
- 370 watts of backup PoE budget
- 370 watts of supplemental PoE power

Supported Switches
- 2nd Gen NetVanta 1534/1534P
- 2nd Gen NetVanta 1544/1544P
- NetVanta 1535P with ActivReach
- NetVanta 1638/1638P with or without ActivChassis

NetVanta 1131 LED Diagnostics
RPS Status
- Off – RPS not connected
- Green (solid) – RPS connected, internal supply OK
- Red (solid) – RPS connected, internal supply failed

EPS Status (PoE product only)
- Off – EPS not connected
- Green (solid) – EPS connected, internal supply OK
- Red (solid) – EPS connected, internal supply failed

Environment
- **Operating Temperature:** 32° to 122 °F (0° to 50 °C)
- **Storage Temperature:** -4° to 158 °F (-20° to 70 °C)
- **Relative Humidity:** Up to 95%, non-condensing

Physical
- **Chassis:** 0.5U, 19 in. dual mounting tray supports two NetVanta 1131 units
- **Dimensions:** 1.7 in. x 8.5 in. x 13.6 in. (H x W x D) (4.3 cm x 21.6 cm x 34.5 cm)
- **Weight:** 6.0 lbs (2.8 kg)
- **AC Power:** 110–240 VAC, 5.7A, 50/60 Hz

Minimum Requirement
- AOS 10.9 and above

Warranty
- Limited lifetime warranty

Agency Approvals
- FCC Part 15 Class A and UL 1950/CSA
- North America EMI/EMC Class A
- UL/CUL
- International EMI/EMC Class A
- CE Mark
- C-Tick for Australia
- RoHS 6/6

Approved Countries
USA	Puerto Rico
Guam	Canada
United Kingdom	Italy
Finland	Sweden
Denmark	Belgium
Netherlands	Estonia
Latvia	Lithuania
Poland	Czech Republic
Slovakia	Romania
Bulgaria	Greece
Malta	Portugal
Slovenia	Hungary
Luxembourg	Austria
Cyprus	Spain
Germany	France
Ireland	Norway
Iceland	

- Mexico (formal testing not required, designed to meet the requirements)
- Australia except Telstra

Ordering Information

Equipment	Part No.
NetVanta 1131 (RPS/EPS)	**1700530F1**
NetVanta 1131 RPS Cable	**1700532F1**
NetVanta 1131 EPS Cable	**1700533F1**
NetVanta 1131 Tray	**1700534F1**
Bundles	
NetVanta 1131 with RPS Cable	**4700531F1**
NetVanta 1131 with EPS Cable	**4700532F1**