

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 select NetVanta PoE switches
- Additional 370 watts PoE budget power for select NetVanta switches
- 1/2 rack width, allowing two NetVanta 1131s to be mounted using the optional dual mounting tray
- Plug-and-play operation—requires no manual configuration

Supported Switches

- NetVanta 1235P with ActivReach
- 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 select NetVanta 1200, 1500 and 1600 Series Ethernet 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 switch's internal power supply. The EPS output provides 370 watts of backup PoE for PoE redundancy, and can also provide up to 370 watts additional PoE, for select NetVanta switches, 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

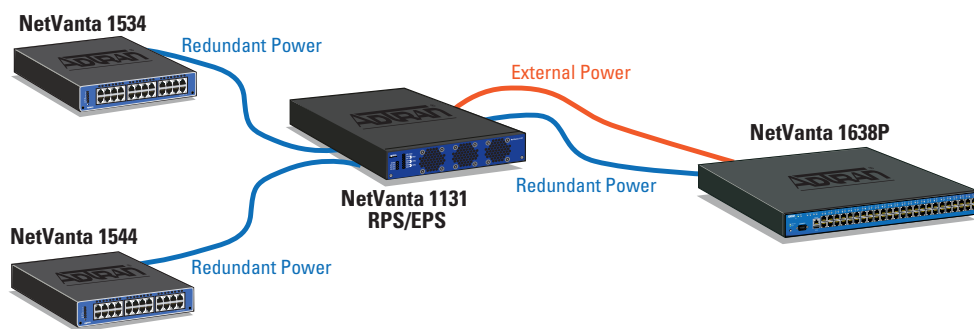
The NetVanta 1131 RPS output provides redundancy for NetVanta PoE and non-PoE switches in the event of an internal power supply failure. In the event the switch's internal power supply fails, the NetVanta 1131 would power the NetVanta switch until the power unit is replaced or swapped out.

Redundant PoE Budget

The NetVanta 1131 EPS output provides external backup power supply to the NetVanta 1235P and the 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 1235P, 1544P (2.1 Gen) and 1638P switches. This provides increased power wattage, effectively doubling the available PoE budget, enabling these NetVanta switches 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.



ILL428A



ADTRAN, Inc.
Attn: Enterprise Networks
901 Explorer Boulevard
Huntsville, AL 35806
P.O. Box 140000
Huntsville, AL 35814-4000

256 963-8000
256 963-8699 fax

General Information
800 9ADTRAN
info@adtran.com
www.adtran.com

Pre-Sales Technical Support
888 423-8726
application.engineer@adtran.com
www.adtran.com/presales

Post-Sales Technical Support
888 423-8726
support@adtran.com
www.adtran.com/support

Where to Buy
888 423-8726
channel.sales@adtran.com
www.adtran.com/where2buy

ProServicesSM
888 874-2237
proservices@adtran.com
www.adtran.com/proservices

Global Inquiries
256 963-8000
256 963-6300 fax
international@adtran.com

ADTRAN believes the information in this publication to be accurate as of publication date, and is not responsible for error. Specifications subject to change without notice. ADTRAN and NetVanta are registered trademarks of ADTRAN, Inc. and its affiliates in various countries. All other trademarks mentioned in this document are the property of their respective owners.

ADTRAN warranty duration and entitlements vary by product and geography. For specific warranty information, visit www.adtran.com/warranty

ADTRAN products may be subject to U.S. export controls and other trade restrictions. Any export, re-export, or transfer of the products contrary to law is prohibited.

For more information regarding ADTRAN's export license, please visit www.adtran.com/exportlicense



TL19.1270



NSAI
THE HIGH
TECHNOLOGY
INDUSTRY
QUALITY
FOR A
SUSTAINABLE
ENVIRONMENT

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

61700530F1-8B July
Copyright © 2014 ADTRAN, Inc.
All rights reserved.

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

- NetVanta 1235P with ActivReach
- NetVanta 1534/1534P (2nd Gen)
- NetVanta 1544/1544P (2.0 and 2.1 Gen)
- 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
- Guam
- United Kingdom
- Finland
- Denmark
- Netherlands
- Latvia
- Poland
- Slovakia
- Bulgaria
- Malta
- Slovenia
- Luxembourg
- Cyprus
- Germany
- Ireland
- Iceland
- Mexico (formal testing not required, designed to meet the requirements)
- Australia except Telstra
- Puerto Rico
- Canada
- Italy
- Sweden
- Belgium
- Estonia
- Lithuania
- Czech Republic
- Romania
- Greece
- Portugal
- Hungary
- Austria
- Spain
- France
- Norway

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