

Adtran® NetVanta® 1550 Gigabit Switches

The market for 10Mbps and 100Mbps Ethernet is quickly declining. Employment and economic growth along with the continued move to VoIP and Wi-Fi is combining to drive organizations to upgrade their networks. By 2019, according to Infonetics Research, 1-Gigabit ports will be the majority of shipments. To support the continual move to VoIP and Gigabit networks while maintaining cost competitiveness in the market, Toshiba is announcing that we have qualified the Adtran NetVanta 1550 series Power Over Ethernet Gigabit Ethernet switches for interoperation with IPedge and VIPedge systems. The 1550 series are Layer 3 Lite, Gigabit Ethernet Switches which support PoE and come with 24 or 48 ports.

These switches provide POE and Gigabit while at the same time be significantly lower cost than Gigabit switches Toshiba has offered and supported up to this time.

These products are available in the Toshiba price book, FYI and the VIPedge Portal and available for order as of this announcement.



The NetVanta 1550 series are Layer 3 Lite, Gigabit Ethernet Switches with Power over Ethernet. The NetVanta 1550-24P and NetVanta 1550-48P rackmount switches support 24 and 48 10/100/1000Base-T ports and four SFP+ uplink ports. Each SFP+ port supports up to 10 Gbps uplinks delivering up to 80 Gbps of bi-directional throughput.

The NetVanta 1550 series switches have aggressive SMB type pricing with Enterprise class features and functionality.

Faster Implementation

- The VoIP setup wizard automates and simplifies the entire process of configuring NetVanta switches for your VoIP system and associated IP-phones
- A built-in DHCP server eliminates the need for an external server and enables auto-provisioning of IP-phones, using DHCP "option 66"
- Full LLDP/LLDP-MED support for zero-touch phone setup
- Industry standard CLI—utilize a single script to bulk configure multiple switches for enterprise-wide VoIP deployments

Faster Troubleshooting

- On-demand VoIP report simplifies troubleshooting by providing a snapshot of the switch
 - Port status
 - Active endpoints
 - Power over Ethernet (PoE) status, and more.
- Network forensics identifies connected endpoints and provides a single database for all device parameters.
- Cable Diagnostics tool dramatically reduces time spent to trouble shoot cabling issues.

Greater Security

- Port scheduler disables ports and powers down devices during non-business hours, improving security and conserving power.
- Denial of Service (DoS) protection enhances security by identifying and blocking common network DoS attacks.
- AOS Security Audit tool assists in the Payment Card Industry - Data Security Standards (PCI-DSS) compliance testing and identifying potential vulnerabilities.

Increased Uplink Bandwidth

Up to 80 Gbps for inter-switch connectivity, utilizing four 10G uplink ports

PoE flexibility and Power Redundancy

- PoE power redundancy up to 370 W (select NetVanta switches) utilizing an external
- NV1131 RPS/EPS unit, minimizing disruptions due to power outages.
- Enhanced PoE budget up to 370 W (select NetVanta switches) doubling the available PoE budget up to 740 W, utilizing an external NV1131 RPS/EPS unit.
- 802.3af, 802.3at (PoE+) and Legacy PoE
- Built in surge protection

Industry Leading Warranties and Support

- Comprehensive limited lifetime warranty on all NetVanta switches.
- Included software updates and upgrades for the duration of the warranty, ensuring continued value for your switch investment.
- Included Next Business Day advance hardware replacement and 24x7 phone support for the duration of the warranty, ensuring minimal disruptions to your business.

Enhanced 1/10 Gbps SFP+ Ports

The NetVanta 1550 series switches have four Enhanced 1/10 Gbps SFP+ Ports. They are on the lower right corner of the front of the chassis.

Although not labeled as such they can connect to either 1G or 10G SFP Uplink/Trunking ports. A Trunk Link, Trunk Port or Uplink Port is a port configured to carry packets for any VLAN. These port types are usually found in connections between switches. These links require the ability to carry packets from all available VLANs because VLANs span over multiple switches.



Power-On Reset

After the NetVanta 1550 boots up the POE will reset. Two minutes after the NetVanta 1550 completes a boot-up cycle it will shut off then, turn on the POE power. This ensures that IP telephones connected to the NetVanta 1550 switch execute a clean restart.

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