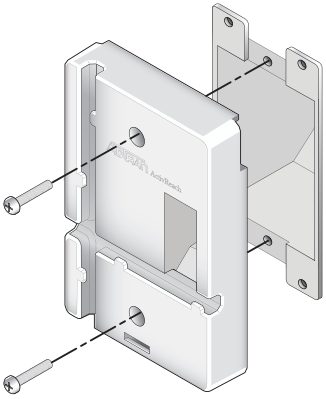
NetVanta ActivReach Wall Plate Media Converter

P/N 1702595F17



Specifications

Conversion	1-pair or 4-pair ActivReach Ethernet to standard 10/100Base-T
Compliance	EN 60950-1, IEC 60950-1, AS/NZS 60950-1, UL/CUL 60950-1 FCC Part 15 Class B, EN 300 386, ICES 003 Class B RoHS compliant **This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.**
Physical	Dimensions: 3.50-inch W x 2.00-inch H x 1.12-inch D Operating Temperature: 0°C to 40°C Storage Temperature: -20°C to 70°C Relative Humidity: Up to 95 percent, noncondensing

WARNING

- *The NetVanta ActivReach Wall Plate Media Converter is intended for intrabuilding use only.*
- *Ensure that the Wall Plate Media Converter wiring is installed in accordance with all national, state, and local electrical codes.*
- *The Wall Plate Media Converter is intended for use only in low-voltage, communication-level junction boxes only. It must not be used in a junction box containing AC power.*
- *PoE cables are intended for intrabuilding use only. Connecting an ADTRAN PoE unit directly to PoE cables that run outside the building in which the unit is housed will void the user's warranty and could create a fire or shock hazard.*
- *Ethernet cables are intended for intrabuilding use only. Connecting an ADTRAN unit directly to Ethernet cables that run outside the building in which the unit is housed will void the user's warranty and could create a fire or shock hazard.*

Description

The NetVanta ActivReach Wall Plate Media Converter is designed to be mounted to data junction boxes in a building's existing infrastructure. It converts ADTRAN's ActivReach Ethernet to standard 10/100Base-T over varying cable types and cable distances well beyond the standard Ethernet limitation of 100 meters. The NetVanta ActivReach Wall Plate Media Converter has no input power supply, rather it draws power from an upstream ActivReach Ethernet Switch (NetVanta 1535P, P/N 1702595G10 or NetVanta 1235P, P/N 1700595G10). The optional Access Point (AP) Mounting Kit for NetVanta ActivReach Wall Plate Media Converter (P/N 1702595F21) can be used to easily mount an AP directly to the Media Converter. Refer to the quick start guide that ships with the AP mounting kit for mounting instructions.

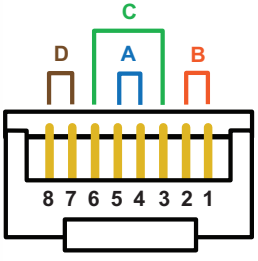
The NetVanta ActivReach Wall Plate Media Converter can be used in the following configurations: 1-pair ActivReach over legacy copper/Cat 3/5/6 cable and 4-pair ActivReach over Cat 3/5/6 cable. There is also an optional voice passthrough configuration that will allow a legacy POTS line to pass through the unit. For a description of ActivReach pin connections, see the *ActivReach Pin Connections* illustrations below. For instructions on installing the Media Converter for each configuration, refer to the *Installation Instructions for ActivReach Ethernet on page 2*.

CAUTION

- *The NetVanta ActivReach Wall Plate Media Converter has only one mode. It always provides PoE to the downstream device. Caution must be taken when connecting the Wall Plate Media Converter. It should not be used with a downstream device that does not support PoE.*
- *The NetVanta ActivReach Wall Plate Media Converter intended for use only with the NetVanta 1535P (P/N 1702595G10) and the NetVanta 1235P (P/N 1700595G10) ActivReach Ethernet Switches.*

ActivReach Pin Connections

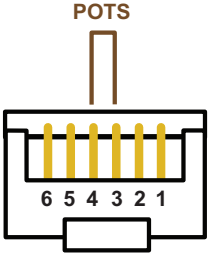
RJ-45



1-pair ActivReach
connect pair A only.

4-pair ActivReach
connect pairs A, B, C, D.

RJ-11



Optional Voice Passthrough
connect pins 3 and 4.

Support - Phone: 888-423-8726, Email: support@adtran.com

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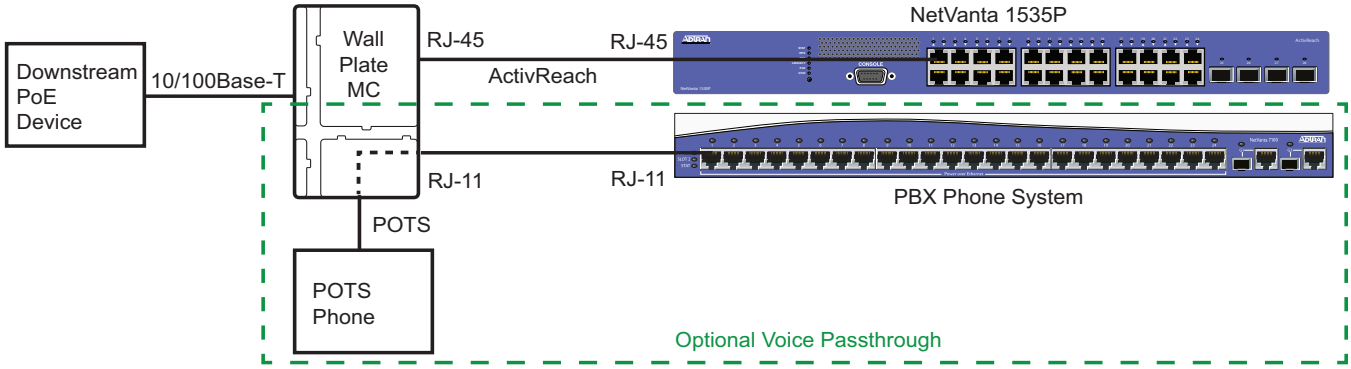

INSTALLATION INSTRUCTIONS FOR ACTIVREACH ETHERNET

1. Ensure that the NetVanta 1235P/1535P lines and any voice/POTS lines are disconnected from the source prior to configuring and installing any jacks inside the junction box.
2. Configure the network cable on both the Media Converter end and the NetVanta 1235P/1535P end in accordance with your installation requirements for 1-pair or 4-pair operation as illustrated in *ActivReach Pin Connections on page 1*. Make sure both ends of the network cable are configured in the same manner.
3. Plug the RJ-45 connector of the configured cable into one of the network ports of the NetVanta 1235P/1535P.
4. Plug the configured junction box cable into the RJ-45 connector labeled **To Network** on the back of the Media Converter. After a few minutes, the Media Converter power LED will light.
5. Mount the Media Converter to junction box using the screws provided (see the illustration on the first page).
6. Insert a 10/100 Ethernet cable into the RJ-45 connector on the front panel of the Media Converter labeled **To Device**.
7. Insert the other end of the Ethernet cable into the downstream device.

INSTALLATION INSTRUCTIONS FOR ACTIVREACH ETHERNET AND OPTIONAL VOICE PASSTHROUGH

1. Ensure that the NetVanta 1235P/1535P lines and any voice/POTS lines are disconnected from the source prior to configuring and installing any jacks inside the junction box.
2. Configure the network cable on both the Media Converter end and the NetVanta 1235P/1535P end in accordance with your installation requirements 1-pair ActivReach and optional voice passthrough as illustrated in *ActivReach Pin Connections on page 1*. Make sure both ends of the network cable are configured in the same manner.
3. Plug the RJ-45 connector of the configured cable into one of the network ports of the NetVanta 1235P/1535P.
4. Plug the RJ-11 connector of the configured cable into an RJ-11 connector on the PBX.
5. On the Media Converter end, plug the configured cable's RJ-45 connector into the connector on the Media Converter labeled To Network and the RJ-11 connector in to the connector labeled POTS on the back of the Media Converter. After a few minutes, the Media Converter power LED will light.
6. Mount the Media Converter to junction box using the screws provided (see the illustration on the first page).
7. Insert a 10/100 Ethernet cable into an appropriate connector on the front panel of the Media Converter labeled **To Device**.
8. Insert the other end of the Ethernet cable into the downstream device.
9. Insert a phone cable into the RJ-11 connector on the bottom of the Media Converter.
10. Insert the other end of the phone cable into the downstream POTS phone.

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