

TR-49 Series

All-in-One Advanced AP/PtP/CPE Model

Tranzeo® is pleased to announce our all new TR-49 Series 4.9 GHz* products. These are integrated fully functioning radios. That means these units can be configured as an **Access Point**, a **Point to Point** bridge, or a **Client Adapter (CPE)**.

All New Overall Features:

Dual Ethernet Ports

This allows you to daisy-chain radios at your installation sites (depending on power requirements). Perfect for back to back point to point scenarios. Also great for installing peripheral Power over Ethernet devices like weather monitoring or security cameras.

More Robust Routing Features

Tunneling Protocol Support

Includes support for tunneling protocols such as VPN, PPTP, RSA, etc.

Low Power Requirements

Excellent for solar and other alternative power source installations. TR-49 Series requires only 5.5 Watts.

All New Access Point Features:

Wireless Distribution System (WDS)

WDS allows Access Points to be wirelessly connected to each other while also servicing clients.

Back Panel



Wi-Fi Protected Access (WPA)

WPA improves on the security features of WEP. It includes improved data encryption (AES) and user authentication.

WPA and WEP LEDs

Outside LEDs allow you to easily see if WEP or WPA is activated on your Access Point.

All New Client Adapter (CPE) Features:

Alignment LEDs

Now you can align your client and point to point installations without having to log into the radio. Get visual signal strength at a glance by using this great new feature.

Controllable High Gain Output

All radios have +13 dBm of output. Power can be scaled back for closer installations to avoid noise issues and to meet local regulatory requirements.

*Not all channels approved for use in all areas.

Specifications TR-49-N / TR-49-20 / TR-49-V16 / TR-49-H16

Features					
Standard		OFDM (BPSK, QPSK, 16-QAM, 64-QAM)			
Frequency Range		4940 MHz to 4990 MHz			
Channel Bandwidths		5, 10, 20 MHz*			
Radio Mode		Access Point / Point to Point / Customer Premise Equipment			
Communication Method		Half-Duplex			
Transmit Power		+13 dBm max			
Receiver Sensitivity		-65 dBm @ 54Mbps			
Polarization		Horizontal or Vertical			
Antennas					
Model	Type	Wind Load (N)		3 dB Beamwidth	
		100 mph	125 mph	Azimuth	Elevation
TR-49-N	N-Connector	105	164	N/A	N/A
TR-49-20	20 dBi Panel (internal)	105	164	13°	16°
TR-49-V16	16 dBi Vertical Sector (external)	171	266	90°	7°
TR-49-H16	16 dBi Horizontal Sector (external)	171	266	88°	6°
Management					
Remote Configuration		Based on IP Address			
Device Management		Windows Utility, Web-Based Management			
Protocol Supported		TCP/IP			
Security		40 bits and 128 bits WEP encryption, Media Access Control address filter (MAC), WPA			
Ethernet Connector		10/100 base T (Water Tight RJ-45)			
Operating Temperature		-55°C to +55°C			
Warranty		3 Year Depot**			
Dimensions					
TR-49-N / TR-49-20 / TR-49-V16 / TR-49-H16		13" X 10-1/8" (radio only)			
Power Supply					
Standard		AC Wall Plug Input: 120V 60Hz Output: 18V, 1000mA			
Optional		AC Wall Plug Input: 120V 60Hz Output: 24V, 1000mA			

Operation in the 4940-4990 MHz band is restricted to U.S. Operation in this range only and is restricted to the Public Safety bands. Use of these bands is restricted to entities that meet the requirements listed the FCC Part 90.20 Public Safety Pool and are properly licensed to operate a transmitter in the Public Safety band in accordance with Part 90Y of the technical rules can operate in the 4940-4990 MHz band. FCC regulations state in Part 90, operation in the 4.9 GHz band requires frequency coordination before the system can be operated.

Specifications are subject to change without notice.

Subject to local regulations.

*5, 10, 20 MHz channels available only in radio product built after January 10, 2007.

**3 Year warranties only apply to radio product built after December 1, 2006.