

TR-5A SERIES

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

Tranzeo is pleased to announce our all new TR-5a-xx series 5.3/5.8 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. Perfect for back to back CPE to AP scenarios. Also great for installing peripheral 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.

Lower Power Requirements – Less than 4 Watts

Excellent for solar and other alternative power source installations

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 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 13dBm of output. Great for long distance client applications. 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- 5A / TR-5A-21F / TR-5A-24F

Standards		802.11a			
Frequency Range		5170 MHz to 5805 MHz			
Radio Mode		Access Point / Point to Point / Customer Premise Equipment			
Data Rates and Modulations					
Data rate (Mbps)	Modulation	Coding Rate	Coded bits per subcarrier	Code bits per OFDM symbol	Data bits per OFDM symbol
6	BPSK	1/2	1	48	24
9	BPSK	3/4	1	48	36
12	QPSK	1/2	2	6	48
18	QPSK	3/4	2	96	72
24	16-QAM	1/2	4	192	96
36	16-QAM	1/2	4	192	144
48	16-QAM	3/4	4	288	192
54	64-QAM	2/3	6	288	216
Communication Method		Half-Duplex			
Transmit Power		+13 dBm EIRP			
Receiver Sensitivity		-73@54Mbps, -93@1Mbps			
Antenna					
TR-5A (sold as package with Antennas)		N-Connector			
TR-5A-21F		21dB Panel			
TR-5A-24F		24dB Panel			
Horizontal Beamwidth					
TR-5A (sold as package with Antennas)		N/A			
TR-5A-21F/ TR-5A-24F		8.7° Degrees			
Vertical Beamwidth					
TR-5A (sold as package with Antennas)		N/A			
TR-5A-21F/ TR-5A-24F		7.7° Degrees			
Polarization		Horizontal or Vertical			
Remote Config		Based on IP Address			
Device Management		Windows Utility, Web-Based Management			
Protocol Supported		TCP/IP			
Security		40bits and 128 bits WEP encryption, Access Control address filter (MAC), WPA			
Ethernet Connector		10/100 base T (Water Tight RJ-45)			
Operating Temperature		-65 Deg C to +60 Deg C			
Dimensions					
TR-5A / TR-5A-21F		13" x 10"			
TR-5A-24F		14" x 16"			
Warranty		1 Year Depot			



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