

TR-902 Series

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

Tranzeo is pleased to announce our all new, next generation TR-902 Series 900 MHz 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)**.

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.

G-mode Data Rates

Higher data rates now available! Radio can be set to B or G-mode operation.

Low Power Requirements

Excellent for solar and other alternative power source installations. The TR-902 Series requires only 7 Watts.

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.

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 feature.

Controllable High Gain Output

All radios have +29dBm (peak) output. Power can be scaled back for closer installations to avoid noise issues and to meet local regulatory requirements.



TR-902 Series Specifications

Features					
Standard		802.11b/g*			
Frequency Range		902 MHz to 928 MHz			
Radio Mode		Access Point / Point to Point / Customer Premise Equipment			
Communication Method		Half-Duplex			
Transmit Power		+25dBm mean, +29dBm peak			
Receiver Sensitivity		B mode		-83dBm @ 11Mbps, -86dBm @ 5.5Mbps, -89dBm @ 2Mbps, -92dBm @ 1Mbps	
		G mode		-67dBm @ 54Mbps, -69dBm @ 48Mbps, -74dBm @ 36Mbps, -78dBm @ 24Mbps, -87dBm @ 6Mbps	
Polarization		Horizontal or Vertical			
Antennas					
Model	Type	Wind Load (N)		3 dB Beamwidth	
		100 mph	125 mph	Elevation	Azimuth
TR-902-Nf	N-Connector	105	165	N/A	N/A
TR-902-8f	8dBi Panel (internal)	105	165	60°	65°
TR-902-11f	11dBi Panel (internal)	105	165	55°	60°
Management					
Remote Configuration		Based on IP Address			
Device Management		Windows Utility, Web-Based Management, SNMP (MIB-II and 80211 mib compliant)			
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 +60°C			
Warranty		3 Year Depot**			
Dimensions					
TR-902-11f		16" X 14-1/4" (radio only)			
TR-902-Nf / TR-902-8f		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			

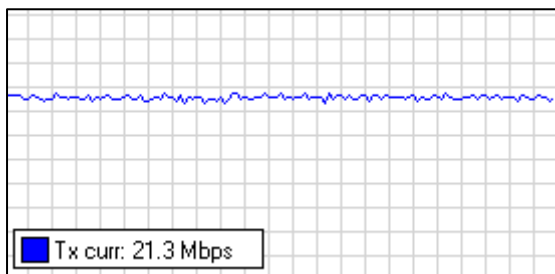
FCCID: QRF-CU900NT3

Specifications are subject to change without notice.

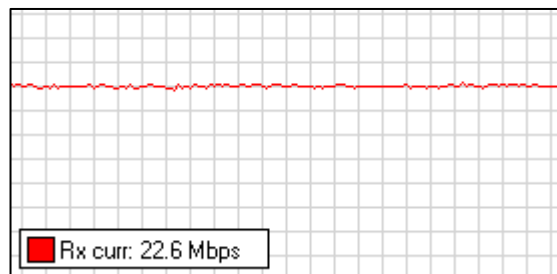
Subject to local regulations. Not all channels approved for use in all areas.

*G-mode available only in radio product built after January 10, 2007.

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



Throughput Test
G-Mode, TCP Traffic
20MHz channel



Throughput Test
G-Mode, TCP Traffic
20MHz channel

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