

# TR-6000 Series

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

Tranzeo is pleased to announce our TR-6000f Series 2.4 GHz products. These integrated fully functioning radios 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). 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-6000f Series radios require 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 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

Radios have +23dBm maximum output, depending on model. 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.



## TR-6000 Series Specifications

Features									
<b>Standard</b>	802.11b/g*								
<b>Frequency Range</b>	2401 MHz to 2483.5 MHz								
<b>Radio Mode</b>	Access Point (AP) / Point to Point (PxP) / Customer Premise Equipment (CPE)								
<b>Data Range &amp; Modulation</b>	<b>b-mode</b>	5.5/11 Mbps CCK, 2 Mbps DQPSK, 1 Mbps DBPSK							
	<b>g-mode</b>	48/54 Mbps QAM-64, 24/36 Mbps QAM-16, 12/18 Mbps QPSK, 6/9 Mbps BPSK							
<b>Communication Method</b>	Half-Duplex								
<b>Receiver Sensitivity</b>	<b>b-mode</b>	-85dBm @ 11 Mbps, -90dBm @ 1 Mbps							
	<b>g-mode</b>	-72dBm @ 54 Mbps, -89dBm @ 6 Mbps							
<b>Polarization</b>	Horizontal or Vertical								
Output Power									
TR-6000 / TR-6015 / TR-6019		+23dBm max							
Antennas									
Model	Type	Wind Load (N)		Beamwidth					
		100 mph	125 mph	Horizontal	Vertical				
TR-6000*	N-Connector	105	165	N/A	N/A				
TR-6015*	15dBi Panel (internal)	105	165	20°	33°				
TR-6019*	19dBi Panel (internal)	182	285	15°	16°				
Management									
<b>Remote Configuration</b>	Based on IP Address								
<b>Device Management</b>	Windows Utility, Web-Based Management, SNMP (MIB-II and 80211 mib compliant)								
<b>Protocol Supported</b>	TCP/IP								
<b>Security</b>	40/64 bits and 128 bits WEP encryption, Media Access Control address filter (MAC), WPA and WPA2 (TKIP/AES) encryption								
<b>Ethernet Connector</b>	10/100 base T (Water Tight RJ-45)								
<b>Operating Temperature</b>	-65°C to +60°C								
<b>Warranty</b>	5 year for parts /3 year for parts and labour**								
Dimensions									
TR-6000 / TR-6015	13.22" X 10.28" X 3.50" (radio only)								
TR-6019	16.18" X 14.43" X 3.50" (radio only)								
Power Supply									
<b>Universal</b>	AC Power Adapter (US, UK, EU Snap In Plugs) Input: 120-240 VAC~ 50-60 Hz, 0.6 A Output: 18.0 VDC, 1.1 A								
<b>Optional</b>	AC Wall Plug Input: 120V 60Hz, Output: 24V, 1000mA								

Specifications are subject to change without notice.

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

\* f (FCC) and W(World) Models - Subject to local regulations.

\*\*3 and 5 Year warranties only apply to radio products built after December 1, 2006 and December 31 2007, respectively.