

Advanced All-in-One 802.11n MIMO

Tranzeo's new **MX67** Series of 802.11a/n compliant 5.8GHz Wireless LAN products feature 2x2 MIMO antennas, and data rates of up to 300Mbps. These versatile and cost-effective units are ideal for high throughput Point-to-Multi-Point and Point-to-Point links, and can be configured as AP, CPE, or WDS modes.

The **MX67** series boasts a high performance radio with up to 26dBm output power, and advanced networking and management capabilities including NAT Routing, DHCP Server, DHCP Relay, WMM QoS, WEP/WPA/WPA2 Security, Bandwidth Control, up to 4 Virtual Access Points (with multiple ESSID's), and VLAN tagging/untagging as well as VLAN Pass-Through.

The all-in-one design features an integrated 17dBi 2x2 MIMO dual-polarity antenna, and is also available with or without N-type connectors for using an external antenna for more demanding applications.

The ruggedized weatherproof design meets IP67 and NEMA Type 4X environmental standards, requiring minimal installation and maintenance costs and is ideal for conditions ranging from -40 °C to +70 °C. The **MX67** is also backed by **3-Year Parts and Labour Warranty** and **Lifetime Technical Support** for worry-free network operation.

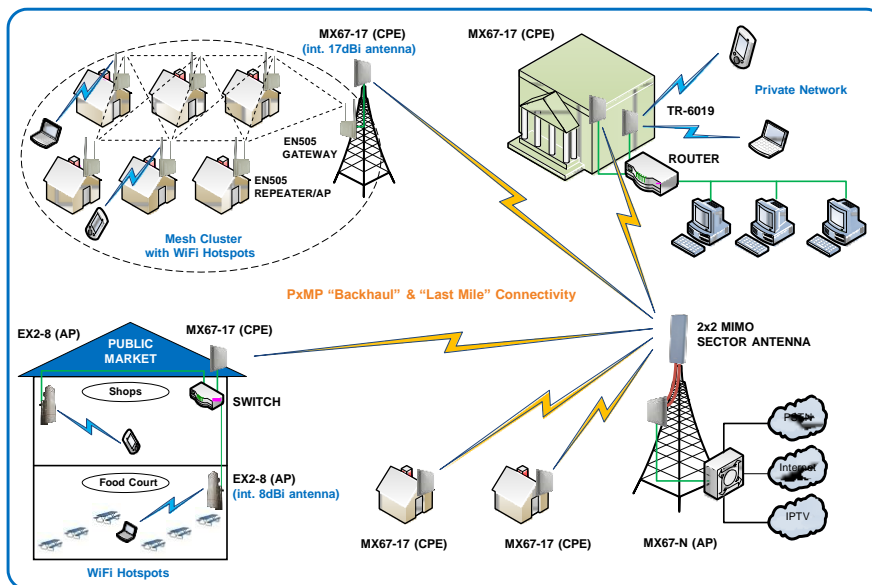
Applications

- PxP Backhaul
- Internet Service
- Security and Surveillance
- PxMP Backhaul
- Private Networks
- Remote Data Acquisition



Key Features

- IEEE 802.11a/n Compliant
- AP/CPE/WDS Radio Modes
- Up to 300Mbps Data Rate
- Up to +26dBm of Total Transmit Power with Adjustable Output
- Dual-Polarity 2x2 MIMO Antenna
- 5/10/20/40MHz Channel Widths
- 8W Solar-Friendly Power Draw
- Up to 4 Virtual Access Points
- Bandwidth Control
- WEP/WPA/WPA2 Security
- HTTP/HTTPS Web Server
- Telnet, SSH, SNMP v2c
- NAT, STP, DHCP Server/Relay
- Power-over-Ethernet (POE)
- Web-Based Management Tools
- Remote Firmware Upgrade
- Weatherproof Enclosure



About Tranzeo Wireless Technologies™

Tranzeo Wireless Technologies Inc. (TSXV:TZT) leads the wireless broadband industry for value, by producing high-performance wireless network equipment with a low cost of ownership and unparalleled service allowing communities and businesses to communicate without boundaries. Since the company's inception in 2000, Tranzeo's optimum cost effectiveness, premium quality and responsive support have attracted a growing number of devoted dealers and distributors worldwide.

Tranzeo Wireless Technologies Inc.

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Radio Interface					
Standards	IEEE 802.11a/n				
Frequency Range	5100 – 5900 MHz (Not approved for 5.4GHz operation in the USA)				
Channel Bandwidths	5MHz, 10MHz, 20MHz, 20/40MHz Selectable				
Radio Modes	Access Point (AP), Customer Premise Equipment (CPE), Access Point WDS, Repeater WDS, Station WDS				
Transmit Power (Total)	+26 dBm				
a-mode	-80 dBm @ 54 Mbps	-87 dBm @ 36 Mbps	-94 dBm @ 18 Mbps	-97 dBm @ 9 Mbps	
	-83 dBm @ 48 Mbps	-90 dBm @ 24 Mbps,	-96 dBm @ 12 Mbps	-97 dBm @ 6 Mbps	
	MCS	HT20	MCS	HT40	
	MCS0/8	-97 dBm	MCS0/8	-92 dBm	
Receiver Sensitivity	MCS1/9	-94 dBm	MCS1/9	-90 dBm	
	n-mode	MCS2/10	-92 dBm	MCS2/10	-87 dBm
		MCS3/11	-87 dBm	MCS3/11	-84 dBm
		MCS4/12	-84 dBm	MCS4/12	-82 dBm
		MCS5/13	-80 dBm	MCS5/13	-78 dBm
	MCS6/14	-79 dBm	MCS6/14	-76 dBm	
	MCS7/15	-77 dBm	MCS7/15	-74 dBm	
	Modulation & Coding Rates	OFDM-52: 64-QAM %, 64-QAM %, 64-QAM %, 16-QAM %, 16-QAM %, QPSK %, QPSK %, BPSK %			
Antenna Polarization	Dual Polarity (2 x 2 MIMO)				

Antenna Options and Model Information					
Model No.	Type	Wind Load (N)		-3dB Beamwidth	
		100 mph	125 mph	Azimuth	Elevation
MX67-N	2 x N-Type Female Connectors	N/A	N/A	N/A	N/A
MX67-17	17 dBi 2x2 MIMO (internal)	105	165	30°	17°
MX67-17N	17 dBi 2x2 MIMO (internal) and 2 x N-Type Female Connectors (Autoselected when connected to external antennas)	105	165	30°/TBD	17°/TBD

Networking and Management	
Device Management	Web-Based Management (HTTP and HTTPS Server), Remote Configuration and Firmware Upgrades (via IP), Backup/Restore Configuration, System Log, Telnet, SSH, SNMP v2c
Protocols	TCP/IP, UDP, NAT, DHCP Client/Server/Relay, PPPoE, PPTP, WDS, Spanning Tree, VPN Pass-Through, VLAN Switch (Tag/Untag/Pass-Through), Management VLAN, Multiple MAC Bridging
Quality of Service (QoS)	802.11e WMM
Bandwidth Management	Upload and Download Bandwidth Control
Security	64/128-bit WEP, WPA/WPA2 (PSK/EAP/TKIP/AES), Station Isolation, MAC Address Filtering, IEEE 802.1X
Multiple ESSID	Up to 4 Virtual Access Points with independent ESSID and security control
Ethernet	1 x 10/100Base-T (Water-Tight RJ-45)

Electrical Specifications	
Power Requirement	8 Watts (max)
Power Supply	Power over Ethernet (PoE)
DC Adapter⁽¹⁾	24VDC/0.5A (INPUT: 100-240VAC~ 50-60Hz, 0.5A) f-Model: Fixed UL Plug (US only) W-Model: Snap-In Plugs for US, UK, and EU included
RF ESD Protection	15KeV
Processor & Memory	Atheros AR7130 300MHz, 32MB SDRAM, 4MB Flash

Mechanical and Environmental	
Radio Dimensions	13.22" x 10.28" x 3.50" (336 x 261 x 89 mm)
Radio Weight	1.79 lbs (0.81 kg)
LED Indicators	Power (1), LAN (1), Signal Strength (4)
Installation Hardware (included)	PoE Injector with Built-in Surge Protection, DC Adapter, Ethernet Boot with Weatherproof Gasket, and L-Bracket with U-Bolt for up to 20° Up/Down Tilt for Pole Mount
Environmental Rating	Weatherproof IP67 and NEMA Type 4X Enclosure
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +90°C

Compliance and Warranty	
Export Control	HTC 8517.69.0000, ECCN 5A002 ENC, ECL 1-5.A.2.A.1
Compliance & Approvals	RoHS, FCC Part 15 Subparts B/C, Industry Canada, CE! EN 301 893, EN 302 502
Warranty	3-Year Parts and Labor

⁽¹⁾ f: FCC Model (for use in North America only), W: World Model (subject to local regulatory requirements). Specifications are subject to change without notice. Tranzeo and the Tranzeo logo are registered trademarks of Tranzeo Wireless Technologies Inc. All other trademarks mentioned herein are the property of their respective owners.