

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.

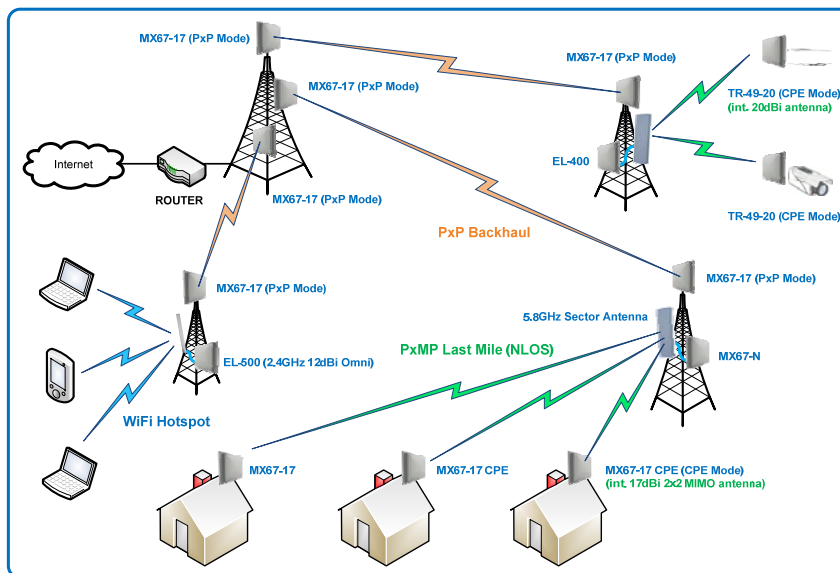
The all-in-one design features an integrated 17dBi 2x2 MIMO dual-polarity antenna, and N-type connectors for using an external antenna for more demanding applications. Unique Design automatically switches to external antenna when an external antenna is added.

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



Key Features

- IEEE 802.11a/n Compliant
- AP/CPE/PxP/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
- 7.5W Solar-Friendly Power Draw
- Up to 4 Virtual Access Points
- Bandwidth Control
- WEP/WPA/WPA2 Security
- NAT, STP, DHCP Server/Relay
- VLAN Tagging and Pass-through
- Telnet, SSH, SNMP v2c
- HTTP/HTTPS Web Server
- Power-over-Ethernet (POE)
- Web-Based Management Tools
- Remote Firmware Upgrade
- 15KeV RF ESD Protection
- Weatherproof Enclosure

About Tranzeo Wireless Technologies™

Tranzeo Wireless Technologies Inc. (TSX: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 yet 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), Point-to-Point (PxP)								
Transmit Power (Total)	+26 dBm								
Receiver Sensitivity	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			
	n-mode	MCS		HT20		MCS		HT40	
		MCS0/8		-97 dBm		MCS0/8		-92 dBm	
		MCS1/9		-94 dBm		MCS1/9		-90 dBm	
		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 $\frac{3}{4}$, 64-QAM $\frac{2}{3}$, 64-QAM $\frac{1}{2}$, 16-QAM $\frac{3}{4}$, 16-QAM $\frac{1}{2}$, QPSK $\frac{3}{4}$, QPSK $\frac{1}{2}$, BPSK $\frac{1}{2}$								
Antenna Polarization	Dual Polarity 2x2 MIMO								
Antenna Options and Model Information									
Model No. ⁽¹⁾	Type	Wind Load (N)		-3dB Beamwidth					
		100 mph	125 mph	Azimuth	Elevation				
MX67-17Nf/W	2 x N-Type Female Connectors	78	122	N/A	N/A				
Supports both Internal and External Antenna.	17 dBi 2x2 MIMO (internal)	78	122	30°	17°				
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 with Traps								
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	7.5 Watts (max)								
Power Supply	Power over Ethernet (PoE)								
DC Adapter	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								
Reset Button	Reboot, Reset Password, Reset Factory Defaults								
LED Indicators	Power (1), LAN (1), Signal Strength (4)								
Processor & Memory	Atheros AR7130 300MHz, 16MB SDRAM, 4MB Flash								
RF ESD Protection	15KeV								
Mechanical and Environmental									
Radio Dimensions	10.38" x 8.63" x 3.00" (264 x 219 x 76 mm)								
Radio Weight	1.75 lbs (0.8 kg)								
Installation Hardware (included)	PoE Injector with Built-in Surge Protection, DC Adapter, Ethernet Boot Cover with Weatherproof Gasket, and L-Bracket with U-Bolt 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 300 328, EN 300 826, EN 55022, EN 55024, EN 60950								
Warranty	3-Year Parts and Labor								

⁽¹⁾ f: FCC Model (for use in the USA 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. **This device has not yet been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased in the USA, until authorization is obtained.**