

## LP-ATRX252625a1

**ATREX Series 2566 - 2614 MHz Licensed Band 25 dBm Output Power  
MIMO PTP/PTMP Ethernet Radio for External MIMO Antenna**

LPATRX252625a1\_SS\_ENB01W

### Features

- Frequency Band: 2566 to 2614 MHz Licensed.
- Selectable 5/10/20 Channel bandwidths.
- RF Output Power: 25 dBm.
- TCP Throughputs:
  - 24 Mbps in a 5 MHz channel Bandwidth
  - 51 Mbps in a 10 MHz Channel Bandwidth
  - 104 Mbps in a 20 MHz Channel Bandwidth.
- Modulation: MIMO HT-OFDM.
- Uses external MIMO antenna.
- Robust IP-68 Enclosure for rough environments.
- Operating Temperature range: -30°C~55°C.
- Relative Humidity up to 95% without Condensation.
- Web based Management and Setup.
- Ethernet Port surge Protection included.
- Operating Modes: PTP Bridge / PTMP bridge.
- QoS.
- Security.
- VLAN (IEEE 802.1Q).
- Proprietary PoE powered:
  - \* **X=1**: 100 ~ 264 VAC 50-60Hz,
  - 48 VDC Output Converter and 48 VDC PoE Injector.



**LP-ATRX252625a1  
ATREX Series 2566 - 2614 MHz  
Licensed Band 25 dBm Output Power  
MIMO PTP/PTMP Ethernet Radio  
for External MIMO Antenna**

The **LP-ATRX252625a1** is a MIMO PTP / PTMP Ethernet Radio of the ATREX Series, mainly used for Last Mile service to high speed clients in the 2566 - 2614 MHz Licensed Band. Power is 25dBm, plenty to establish a high throughput Ethernet link.

Available with selectable 5/10/20 Channel Bandwidths and able to deliver a corresponding 24/51/104 Mbps TCP Throughput.

Uses OFDM modulation, TDD for access and PtP and PtmP as base technologies.

The **LP-ATRX252625a1** management and setup is web based, using MIB II SNMP Agents.



## A Specifications

RADIO	
Frequency	2566 to 2614 MHz
Channel Bandwidth	5 MHz / 10 MHz / 20 MHz
Output Power	25 dBm
TCP Throughput	24 Mbps in a 5 MHz channel bandwidth 51 Mbps in a 10 MHz channel bandwidth 104 Mbps in a 20 MHz channel bandwidth
Frequency Stability	±2 ppm
Modulation	MIMO HT-OFDM
Access	TDD
INTERFACES	
RF (antenna) connector	N-type (Jack) x 2
Ethernet	IEEE802.3 / 802.3u / 802.3a (1000 Base-T)
Ethernet Port Surge Protection	As per the IEC61000-4-5 standard
MANAGEABILITY	
Management and setup	Web-based
SNMP agents	MIB II
Protocol	TCP/IP, UDP, HTTP, SNMP
Operating System	Win7 / Win8 / Mac OSX10 / Android 4
Operating Mode	PTP Bridge / PTMP bridge
DHCP supports	DHCP Client
QoS	Peer to Peer link speed limit / CPE uplink speed limit
Others	VLAN (IEEE 802.1Q)
SECURITY	
Data Encryption	WEP (64/128/152 bits) / WPA-PSK / WPA-TKIP / WPA2 (AES 128 bits)
Authentication	802.1x Auth. (EAP)
Authorization	Mac Access Control
Advanced security	Disable Broadcast SSID / Wireless Client Security Separation
ENVIRONMENTAL	
Operating Temperature	-30°C~55°C
Storage Temperature	-30°C~70°C
Relative Humidity	95% non-condensing
POWER SUPPLY OPTIONS	
<p><b>*Note:</b> LP-ATRX252623a1 Radios are basically 24 VDC powered  <b>X=1:</b> 100~264 VAC 50~60 Hz, 48 VDC output Converter, 30 W max. and a 48 VDC PoE Injector</p>	
PHYSICAL	
Dimensions	259 (L) x 250 (W) x 75 (H)
Weight	1.8 Kg
WARRANTY	
One (1) Year against manufacture or parts defects	

MCS Index	MIMO-OFDM / HT20		
	Data Rate (Mbps)	Tx Output Power (dBm)	Rx Sensitivity (BER 1E10-6)
MCS8	6.5/13	25 ( $\pm 1.5$ )	-94/-92 dBm
MCS9	13/26	24 ( $\pm 1.5$ )	-92/-90 dBm
MCS10	19.5/39	24 ( $\pm 1.5$ )	-90/-87 dBm
MCS11	26/52	23 ( $\pm 1.5$ )	-87/-84 dBm
MCS12	39/78	22 ( $\pm 1.5$ )	-84/-81 dBm
MCS13	52/104	21 ( $\pm 1.5$ )	-80/-77 dBm
MCS14	58.5/117	21 ( $\pm 1.5$ )	-78/-75 dBm
MCS15	65/130	21 ( $\pm 1.5$ )	-76/-73 dBm

## B How to Order

**LP-ATRX252625a1 ATREX Series 2566 - 2614 MHz Licensed Band 25 dBm Output Power MIMO PTP/PTMP Ethernet Radio for External MIMO Antenna.**