

60GHz mmWave PtP & PtMP Radio Link

High-Gain Beamforming Design for
Long-Distance Connectivity



Multi-Gigabit
Data Rates



Phase Array
Antenna



5 KM
Gigalink



WPA3 Enterprise
Security



IP46 Waterproof
Rating

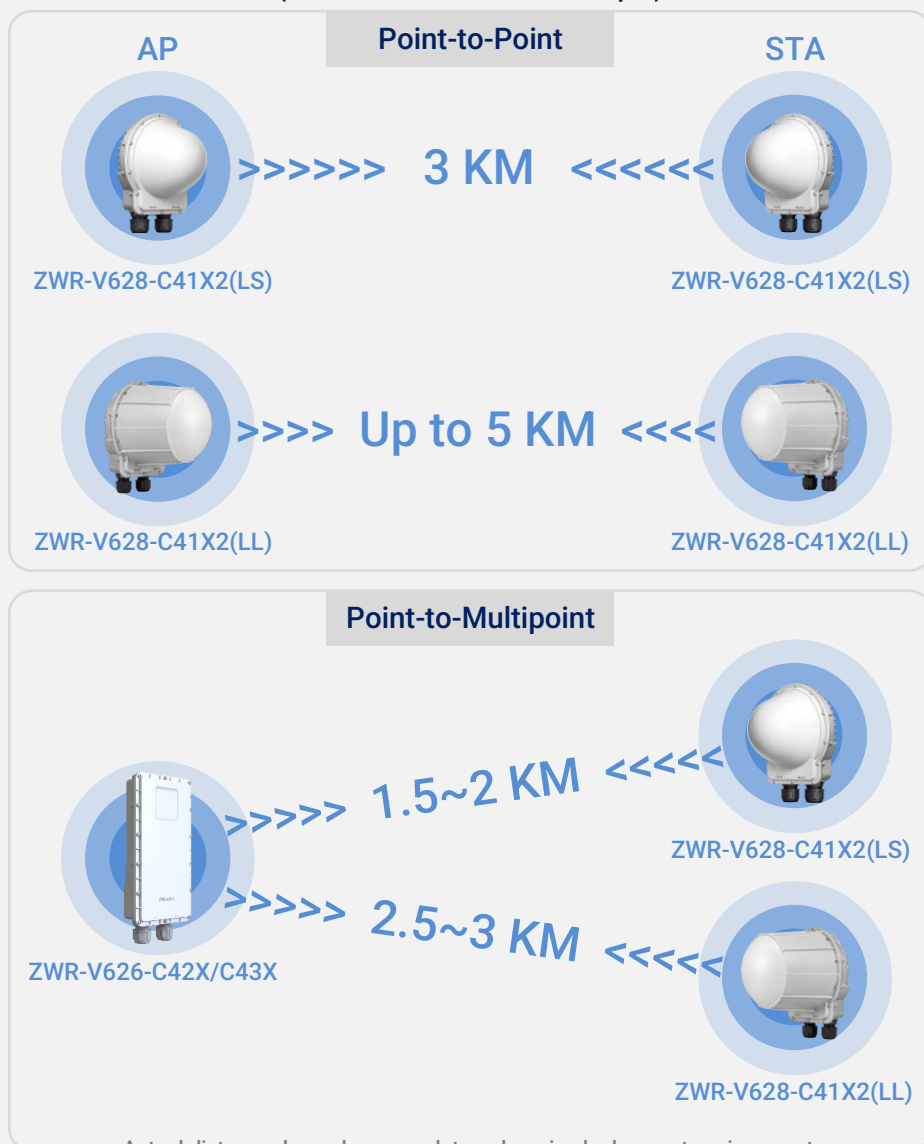


Features:

- Up to 900+ Mbps Throughput
- Up to 5 km Transmission Distance
- High-Gain Lens Antenna Design
- Dual Gigabit Ethernet with PoE Out
- Bluetooth 6.0 (BLE) for Easy Provisioning
- IEEE 802.11ad 60 GHz
- PtP / PtMP Deployment
- IP46 Outdoor Design
- WPA3 Enterprise Security

Maximum Connection Distance

(Data Transmission at 1Gbps)



Actual distance depends on regulatory domain, deployment environment,
antenna alignment and weather conditions.

Specifications:

Model	ZWR-V628-C41X2(LS)	ZWR-V628-C41X2(LL)
System		
CPU	MediaTek MT7981B	
Memory	DDR3 SDRAM 512 MB	
Flash	SPI NAND FLASH 256 MB / SPI NOR Flash 1 MB	
Bluetooth	Bluetooth 6.0 (BLE)	
Technology		
Antenna	Integrated PCB phased-array antenna with high-gain lens	
3dB Beamwidth	±4.5°	±2.5°
Modulation / Coding	Support MCS1-12	
Frequency Bandwidth	Up to 2.16 GHz	
Networking		
Ethernet Ports	LAN1: 10/100/1000 Mbps RJ-45 (Support PoE In) LAN2: 10/100/1000 Mbps RJ-45 (Support PoE Out)	
Supported Standards		
Wireless Security	WPA3 Encryption, AES 128-bit Data Encryption	
Standards Compliant	IEEE 802.3u/ab	
Standard	IEEE 802.11ad	
Power		
Power Input	PoE 42.5 ~ 57 V	
Power Rating	802.3at PoE+ 30 W	
Power Consumption	Up to 30 W (PoE Out) Max. ~18 W without PoE out	
Interface		
LED Indicator	Power, 60 GHz Link, Signal Strength	
Dimensions		
Chassis Size	153 x 164 x 122 mm (Ultra-Slim Model)	153 x 164 x 177 mm (Standard High-Performance Model)
Ambient		
Operating Temperature	-30°C ~ +60°C	
Storage Temperature	-30°C ~ +85°C	
Waterproof	IP46	

Specifications are subject to change without notice.