

Leap ahead for outdoor wireless !



ZC-3625-55-23

Features

- High Reliability
- Long Distance Connectivity
- Level 7 Waterproof
- Level 17 Beaufort Scale
- Provide a vent to exclude moisture
- TDMA Technology
- Link aggregation Technology
- Support multiple data Encryption algorithms, including WEP , TKIP , AES
- Proprietary SW management tool to provide group firmware upgrade
- Buzzer design for signal indication to provide easy installation method

Broadband Wireless Access ODU

Overview

Designed for outdoor environment application, Power series ZC-3625-55-23 wireless professional equipment adopts Intel® RCP concept to provide an affordable and reliable rural connectivity solution. With rigorous design: IP67 watertight enclosure, Level 17 Beaufort Scale and surge protection, it provides high reliable, stable transmission and excellent performance in almost any harsh outdoor environment.

ZC-3625-55-23 allows to be operated on bridge and relay concurrently, providing system providers great flexibility in various applications. With a default 23dBi panel antenna, its wireless extensibility can reach at least 40km while ensures transmission quality. Z-Com and Intel develop TDMA and link aggregation technologies to be first releasing in the world. Customer can use 5GHz N-type external antenna to flexible setup locally. The solution can have relay setting when two devices connect without damaging wireless performance. Its link aggregation technology doubles the throughput with two radio cards for point to point application. Additionally, ZC-3625-55-23 provides network management tool for network administrator and advanced user.

Normally, ZC-3625-55-23 can reach 8Mbps at 40km with Intel® TDMA technology, offering an affordable and reliable rural connectivity solution.

With the features of high throughput and long-distance transmission, Z-Com and Intel® RCP provides a robust Wi-Fi based backhaul connection, bringing a new edge in future Wi-Fi application.

ZC-3625-55-23 is an appropriate backhaul solution for Carriers, Service Providers and Enterprises!



Specifications	
CPU	IXP425, 533MHz
System Memory	16MB Flash
	32MB SDRAM (64MB upgradable)
Power	Power over Ethernet (Output 20Watts ,48V /0.4A)
Operating Frequency	FCC : 5.725~5.850 GHz
	CE : 5.470~5.600 GHz, 5.650~5.725 GHz
	(Programmable for different country regulations)
RF Modulation	OFDM (BPSK, QPSK, 16-QAm, 64QAM)
RF output power	24dBm (Max. of Avg.) at Radio for FCC (Band 4) 30dB EIRP for ETSI 301 893 (Band 3) (Controllable for different country regulations)
Sensitivity	≤-92dBm @6Mbps ≤-73dBm @54Mbps
Channel Spacing	40/20/10/5 MHz
Regulation Compliance	FCC Part 15B Class A
	FCC Part 15C
	ETSI 301 893
	EN301 489-1/17 Class A
	EN60950
Features	
Operation Mode	Base Station , CPE, Relay, P2P, P2MP
Security	WEP 64/128bits, WPA-PSK/WPA2-PSK, WPA/WPA-2
Radio Bandwidth Control	5MHz/10MHz/20MHz/40MHz
Super A	Fast Frames, Burst, Compression
TDM coordination	Traffic management
Link aggregation	Throughput Enhancement
Intel® TDMA	For long distance transmission
Distance in Meters	Auto ACK-Time adjustment
Wireless Isolation	YES
Management Statistics	Wireless and Ethernet
Link Test	Self-Wireless Connection test
	Web-based Management (Secure SSL),

Antenna	
Gain	23dBi (Default for FCC)
Frequency Range	5400~5850 MHz
HPBW (horizontal)	10°
HPBW (Vertical)	10°
Dimensions	320×320×18.0mm
Physical & Interface	
Ethernet	10/100 Base T ×1 Auto sense, negotiation
RS-232	YES
USB	N/A
Buzzer	Signal Indication
Reset Pin	Reset system to factory default
Enclosure & Environment	
External Antenna Connector	N-Type
Enclosure	IP-67 (Die-Casting) Level "7" Waterproof Level "17" Beaufort Scale Vent design Antenna Flexibility
Mounting	Pole Mount (ADC-12 Aluminum alloy)
Temperature	-30 ~ 70°C , (Operating)
PCBA Dimensions	160 × 135 mm
Weight	2.4 Kg
Humidity	10~95% , (Operating)

