

## ZigBee Access Point



## ZMZ-330/330HP

## ZMZ-332/332HP

### Features

#### High Performance Design

- ✓ Supports ISM 2.4 GHz operating frequency
- ✓ Fully compliant with ZigBee specification 2.4G IEEE 802.15.4
- ✓ Wireless transmission range up to 100 meters
- ✓ Provides GUI configuration software
- ✓ DIN Rail mountable



### Overview

The Zebra ZMZ series which include ZMZ-330, ZMZ-330HP, ZMZ-332 and ZMZ-332HP are IEEE 802.15.4 compliant ZigBee Access Points especially designed for ZigBee applications supporting RS-232, RS-422 and RS-485 serial interfaces. The ZMZ series products support LAN and WAN communications and MODBUS TCP/RTU/ASCII and bridge mode. ZigBee is a specification based on the IEEE 802.15.4 standard for wireless personal area networks. It operates in the ISM radio bands and focuses on inexpensive, self-organizing, mesh network that can be used for industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, home automation etc.

### Hardware Specifications

#### Wireless Interface

	ZMZ-330	ZMZ-330HP	ZMZ-332	ZMZ-332HP
Transmit power	1mW	100mW	1.25mW/2mW	50mW
Indoor /Urban Range	100ft (30m)	300ft (100m)	133ft(40m)	300ft(100m)
Outdoor/Line of Sight	300ft (100m)	1 mile (1.6 km)	400ft (120m)	1 mile (1.6km)
Network Topology	Star		Mesh	
Encryption	128-bit AES			
ID and Channel	PAN ID, 64-bit IEEE MAC, 16 Channels			
RF configuration	API or AT commands			
RF standard	IEEE 802.15.4			
Frequency	2.4G			
RF data rate	250Kbps			

#### Interface

**Ethernet:** 10/100 Mbps auto detecting

#### Protocol:

TCP, IP, ARP, DHCP, Telnet, HTTP, UDP, ICMP

#### Serial Interface

**Interface:** RS-232, RS-422, RS-485

**Data Rate:** 110 bps to 230.4 kbps

**Data Bits:** 5, 6, 7, 8

**Stop Bits:** 1, 1.5, 2

#### Physical

**Power Input:** 9-15VDC

**Power Consumption:** 1.5 watts

#### Dimension:

IP-20 standard, 85 mm (W) x 115 mm (H) x 23 mm (D)

**Installation:** DIN-Rail, panel mount or desktop

#### Environmental

**Operating Temperature:** 0 to 50°C

**Storage Temperature:** -40 to 80°C(-40 to 180°F)

**Operating Humidity:** 5% to 90% RH (non-condensing)

**Regulatory Approvals:** FCC Class A, CE, TUV

**Environmental:** WEEE, RoHS

**MTBF:** 300,600 hrs based on Mil-Hdbk-217F, GB

**Warranty:** 2 years