

ZT-2530M

Features

- ISM 2.4 GHz Operating Frequency
- Fully Compliant with 2.4 G (IEEE802.15.4/ZigBee Specifications)
- Fully Compliant with ZigBee Pro (ZigBee 2007)
- Wireless Transmission Range up to 700 m (Default)
- Fully External Switch for the Hardware Configuration
- Adjustable RF Transmission Output Power
- Supports AES-128 Encryption for the Wireless Communication
- Surge and ESD Protection
- DIN-Rail Mountable

Introduction

ZT-2530M is a ZigBee Bridge used to connect two different ZigBee networks. The absorption of wireless signals by buildings and other obstacles in the urban environments significantly impair wireless transmission. Therefore, ICP DAS provides the new ZT-2530M - the ZigBee bridge, which is equipped with dual antennas and combined a ZigBee coordinator with a ZigBee router. It can be full hardware configuration, and be used to bridge the communication between indoor and outdoor units or divide complex network to enhance efficiency.

The ICP DAS ZigBee products are designed primarily to help users to build a wireless communication system in an environment where it is hard to physically wire up the devices. They are widely used in industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, home automation and so on.

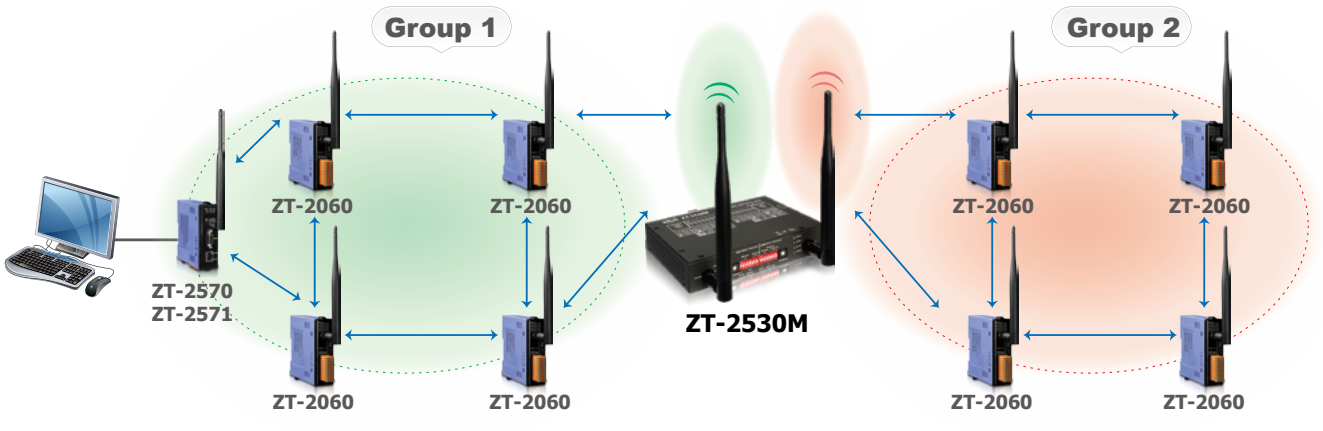
Specifications

Models	ZT-2530M
Wireless	
Wireless Standards	ZigBee 2007 Pro
ZigBee Type	ZigBee Router + ZigBee Coordinator
RF Channel	16
RF Transmit Power	11 dBm
Antenna	2.4 GHz - 5 dBi Omni-directional Antenna x 2
Transmit Range (LOS)	700 m (Typical)
Max. Slaves Supported	255
Hardware	
LED Indicators	ZigBee Power
	ZigBee Net
	ZigBee TxD
	ZigBee RxD
Power	
Protection	Power Reverse Polarity Protection
EMS Protection	ESD, Surge, EFT
Required Supply Voltage	+10 VDC ~ +30 VDC
Power Consumption	1 W (Max.)
Mechanical	
Casing	Metal
Dimensions (L × W × H)	125 mm × 30 mm × 160 mm
Installation	DIN-Rail
Environment	
Operating Temperature	-25 ~ +75°C
Storage Temperature	-30 ~ +80°C
Relative Humidity	10 ~ 90% RH, Non-condensing

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Applications

Switching RF Channel

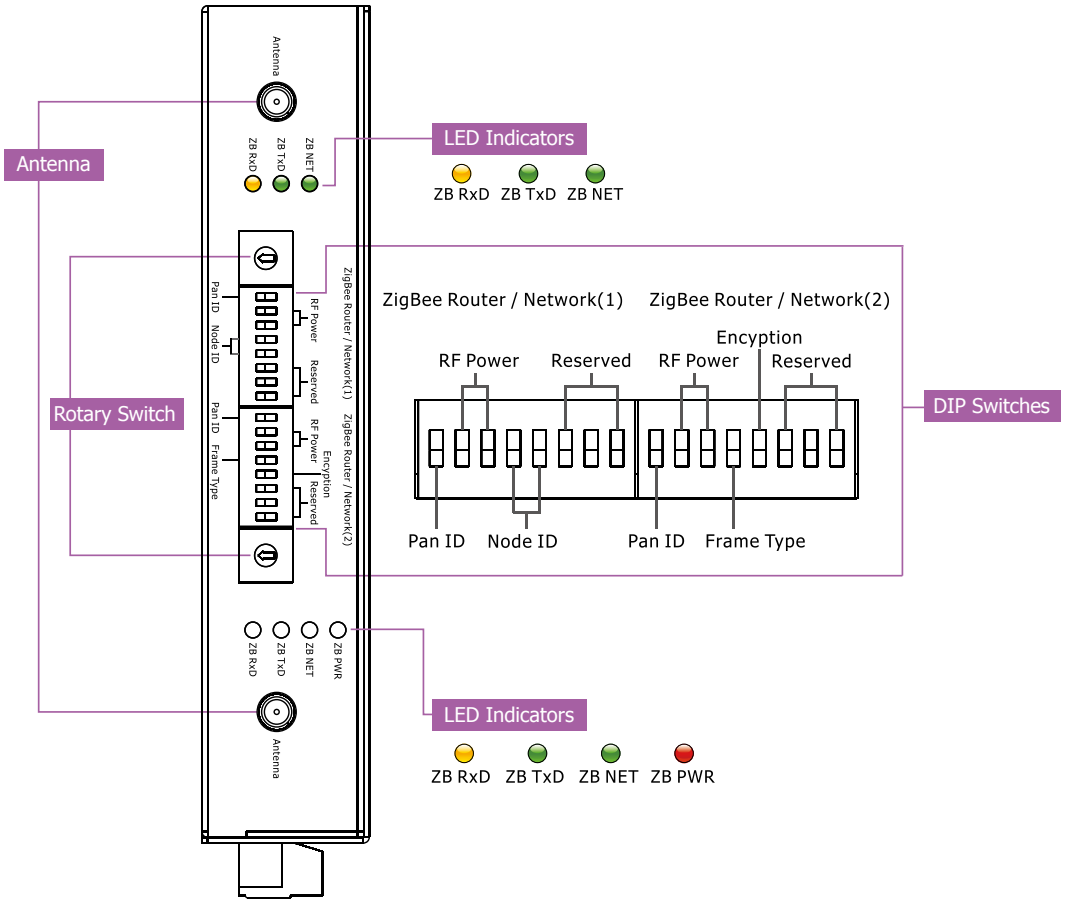


Indoor/Outdoor Communication

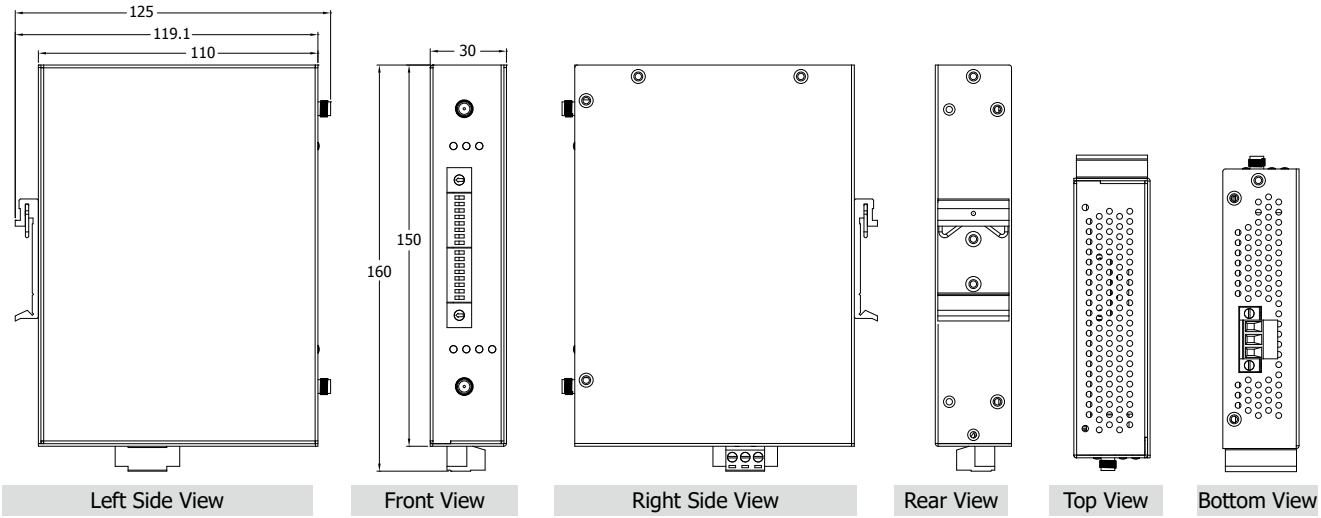


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Appearance



Dimensions (Units: mm)



Left Side View | Front View | Right Side View | Rear View | Top View | Bottom View

Ordering Information

ZT-2530M CR	ZigBee Bridge Module (ZigBee Coordinator and ZigBee Router) (RoHS)

Accessories

ZT-2000 Series	ZigBee Converter, Repeater, Digital I/O, Analog I/O and Pair-connnection Modules
Power Supply	12 V/24 V
External Antenna	RPSMA Male (Plug)/ 2.4 ~ 2.5 GHz Antenna
Extension Cable	3S00×-1, RG58A/U x Meter Long RP-SMA male to RP-SMA Female

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