


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.

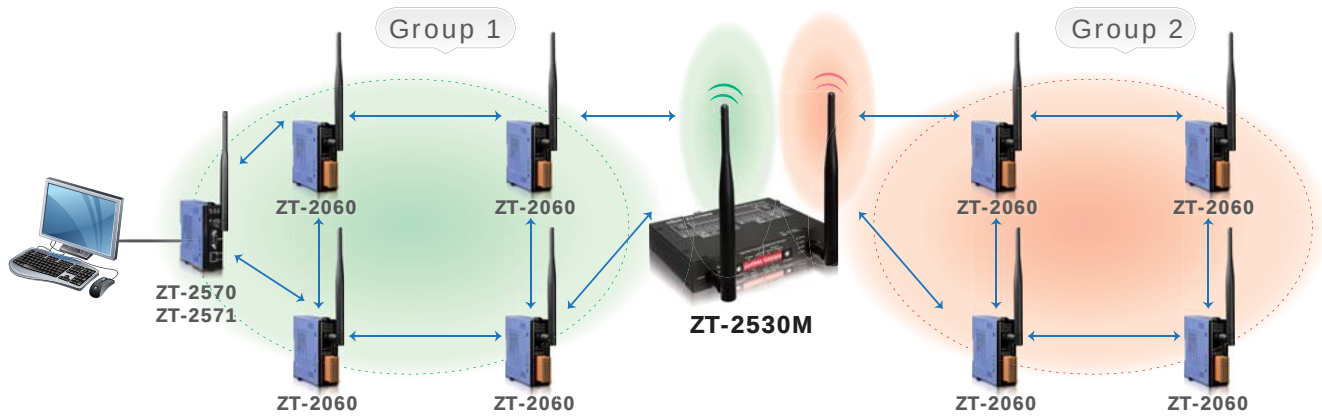
The ICP DAS ZigBee products are designed primarily to help users to build a wireless communication system in an environment where it is hard to physically wire up the devices. They are widely used in industrial control, embedded sensing, medical data collection, smoke and intruder warning, building automation, 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	2.4GHz – 5dBi Omni-Directional antenna x 2	
Transmit Range (LOS)	700 m (Typical)	
Max. Slaves Supported	255	
EMI Certification	CE/FCC, FCC ID	
Hardware		
LED Indicators	ZigBee Power	
	ZigBee Net	
	ZigBee TxD	
	ZigBee RxD	
Power		
Protection	Power Reverse Polarity Protection	
EMS Protection	ESD, Surge, EFT	
Input Range	+10 VDC ~ +30 VDC	
Consumption	1 W (Max.)	
Mechanical		
Housing	Metal	
Dimensions (L x W x H)	78mm x 33mm x 107mm	
Installation	DIN-Rail	
Environment		
Operating Temperature	-25 ~ +75°C	
Storage Temperature	-30 ~ +80°C	
Relative Humidity	10 ~ 90% RH, Non-condensing	

Applications

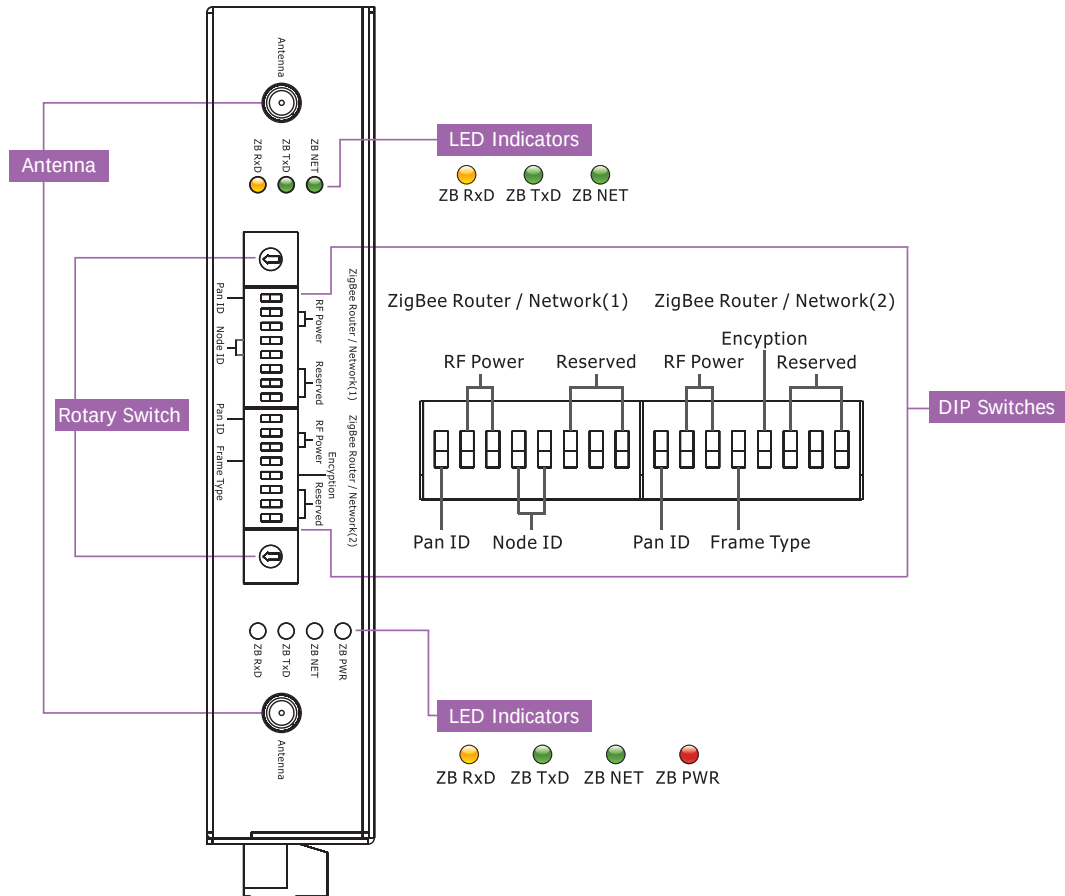
Switching RF Channel



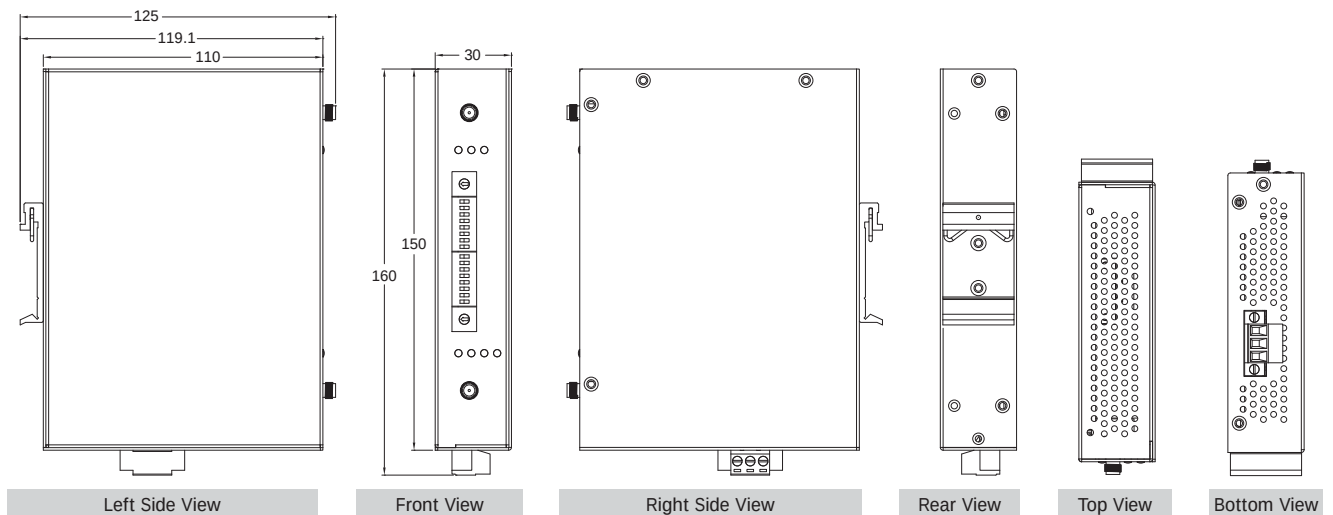
Indoor/Outdoor Communication



Appearance



Dimensions (Units: mm)



Ordering Information

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

ZT-2000 Series	ZigBee Converter, Repeater, Digital I/O, Analog I/O and Pair-connection Modules
Power Supply	12 V/24 V Power Supply
External Antenna	RPSMA Male (Plug)/ 2.4 ~ 2.5GHz Antenna
Extension Cable	3S00x-1, RG58A/U x Meter Long RP-SMA male to RP-SMA Female