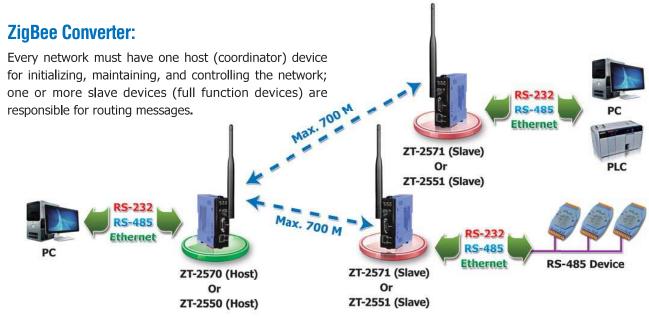
8. ZigBee Products



Features:

- ISM 2.4 GHz Operating Frequency and Fully Compliant with 2.4 G IEEE 802.15.4 / ZigBee PRO (2007)
- Support 3 Topologies Defined in the ZigBee Standard: Mesh, Star and Cluster Tree
- Support the 128-bit AES (Advanced Encryption Standard) Encryption
- GUI Configuration Software (Windows Version)
- ZigBee Node Supports Active Routing
- Supports Topology Utility for Network Monitoring and Improvement
- Wireless Transmission Range up to 700 m (Default)
- Provide Signal Strength LED Indicator
- Wide Operating Temperature (-25 ~ 75°C)

ZigBee is a specification based on the IEEE 802.15.4 standard for wireless personal area networks (WPANs). ZigBee operates in the ISM radio bands, and it defines a general-purpose, inexpensive, self-organizing, mesh network for industrial control, medical data collection, smoke and intruder warning, building automation and home automation, etc.

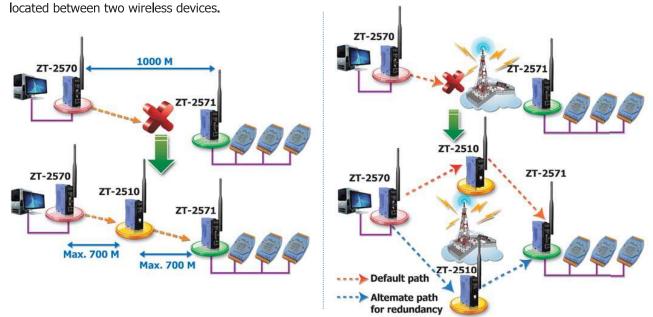


Model Name	Interface	Module Type	Transmit Power	Antenna	Distance (LOS)
ZT-2550	1 × RS-232 · 1 × RS-485	Host (Coordinator)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m
ZT-2551	1 × RS-232 · 1 × RS-485	Slave (Router)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m
ZT-2570	$1 \times \text{RS-232} \cdot 1 \times \text{RS-485}$ $1 \times \text{Ethernet}$	Host (Coordinator)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m
ZT-2571	$1 \times \text{RS-232} \cdot 1 \times \text{RS-485}$ $1 \times \text{Ethernet}$	Slave (Router)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m
ZT-USBC	$1 \times \text{USB}$	Full Function (Coordinator/Router)	3 dBm	2.4 GHz, PCBantenna	60 m



ZigBee Repeater:

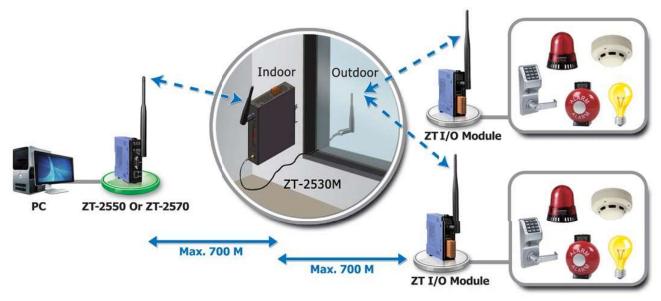
The ZT-2510 is a ZigBee repeater to extend the distance of ZigBee network or avoid an obstacle that may be



Model Name	Interface	Module Type	Transmit Power	Antenna	Distance (LOS)
ZT-2510	ZigBee	Slave (Router)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m

ZigBee Bridge:

The ZT-2530M is a ZigBee bridge operating as a bridge between two ZigBee networks. It is full hardware configuration, used to communicate indoor and outdoor units or divide complex network to enhance efficiency.

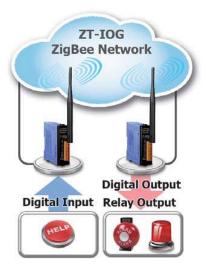


Model Name I	Interface	Module Type	Transmit Power	Antenna	Distance (LOS)
ZT-2530M	ZigBee	Slave (Router) + Host (Coordinator)	11 dBm	2.4 GHz, 5 dBi Omni-Directional antenna	700 m

ZigBee I/O Group Module (Full Function):

The ZT-20xx-IOG is a self-controller that no programming and no dealing with the wireless communication interference needs, but can quickly establish, monitor and manage the I/O pair-connection with the decentralized DIO channels. It suits the wireless I/O Pair-connection applications for the environment of needing many I/O points, large communication range and not easy wiring.

The ZT-20xx-IOG provides Ethernet, RS-232 or RS-485 communication interface. It is a data concentrator that no programming and no dealing with the wireless communication interference needs, but can quickly establish, monitor and manage the I/O pair-connection with the decentralized DIO channels. It suits the multi-host monitoring and I/O Pair-connection wireless applications for the environment of needing many I/O points, large communication range and not easy wiring.



Model Name	Channel	Type Cha		Туре
ZT-2043-IOG	DO: 14	Open Collector (700mA, Sink)		
ZT-2053-IOG	DI: 14	Dry/Wet (Sink/Source)		
ZT-2055-IOG	DI: 8	Dry/Wet (Sink/Source) DO: 8 Open Collector (650 mA, Sink)		Open Collector (650 mA, Sink)
ZT-2060-IOG	DI: 6	Wet (Sink/Source) DO: 4 Power Relay (5 A @ 250 VAC/30		Power Relay (5 A @ 250 VAC/30 VDC)

ZigBee I/O Module (Router):



Model Name	Channel	Туре	Channel	Туре	
ZT-2005-C8	AI: 8	10 K Thermistor (Measuring Temperature Range: -40°C ~ 105°C)			
ZT-2015	AI: 6	Pt100, Pt1000, Ni120, Cu100, Cu1000			
ZT-2017	AI: 8	± 10 V, ± 5 V, ± 1 V, ± 500 mV, ± 150 mV or -20 mA $\sim +20$ mA (Requires External 125 Ω Resistor)			
ZT-2017C	AI: 8	20 mA ~ +20 mA, 0 mA ~ +20 mA or +4 mA ~ +20 mA			
ZT-2018	AI: 8	± 15 mV, ± 50 mV, ± 100 mV, ± 500 mV, ± 1 V, ± 2.5 V, ± 20 mA, $0 \sim 20$ mA or $4 \sim 20$ mA Thermocouple (J, K, T, E. R. S, B, N, C, L, M, LDIN43710)(Requires Optional External 125 Ω Resistor for current input)			
ZT-2024	AO: 4	0 \sim +10 VDc, -10 VDc \sim +10 VDc, 0 \sim +5 VDc, -5 VDc \sim +5 VDc, 0 \sim +20 mA, +4 mA \sim +20 mA			
ZT-2026	AI: 4	± 10 V, ± 5 V, ± 1 V, ± 500 mV, ± 150 mV or -20 mA $\sim +20$ mA	AO: 2	±10 VDC, ±5 VDC, 0 ~ 10 VDC or 0 ~ 5 VDC	
	DI: 2	Wet (Sink)	DO: 2	Open Collector (700 mA, Sink)	
ZT-2042	DO: 8	4*PhotoMOS Relay (1 A, Sink/Source) / 4*Open Collector (700 mA, Sink)			
ZT-2043	DO: 14	Open Collector (700mA, Sink)			
ZT-2052	DI: 8	Wet (Sink/Source)			
ZT-2053	DI: 14	Dry/Wet (Sink/Source)			
ZT-2055	DI: 8	Dry/Wet (Sink/Source)	DO: 8	Open Collector (650 mA, Sink)	
ZT-2060	DI: 6	Wet (Sink/Source)	DO: 4	Power Relay (5 A @ 250 VAC/30 VDC)	

ZigBee Accessories: External Antenna/Cable:



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Optional Accessories	Description and Website		
External Antenna	al Antenna 2.4 GHz External Antenna, RP-SMA Male (Plug)		
External Antenna: http://www.icpdas.com/root/product/solutions/industrial_wireless_communication/wlan_products/external_antenna.html			
External Cable 3S00×-1, RG58A/U ×-meter long RP-SMA male to RP-SMA Female			
Extension Cable: http://www.icpdas.com/root/product/solutions/accessories/cable/cable_selection.html			

Website: http://www.icpdas.com E-mail: sales@icpdas.com Vol. WL_2,20,01_EN