

🕹 Introduction _

The tZT-P4C4 provides 4 channels for digital input and 4 channels for digital output, each of which features photocouple isolation. The tZT-P4C4 supports sink-type output with short circuit protection, while input is source-type. All input channels can be used a 16-bit counters. There are options for configuring power-on and safe digital output values. 4 kV ESD protection and 3750 VDC intra-module isolation are also provided.

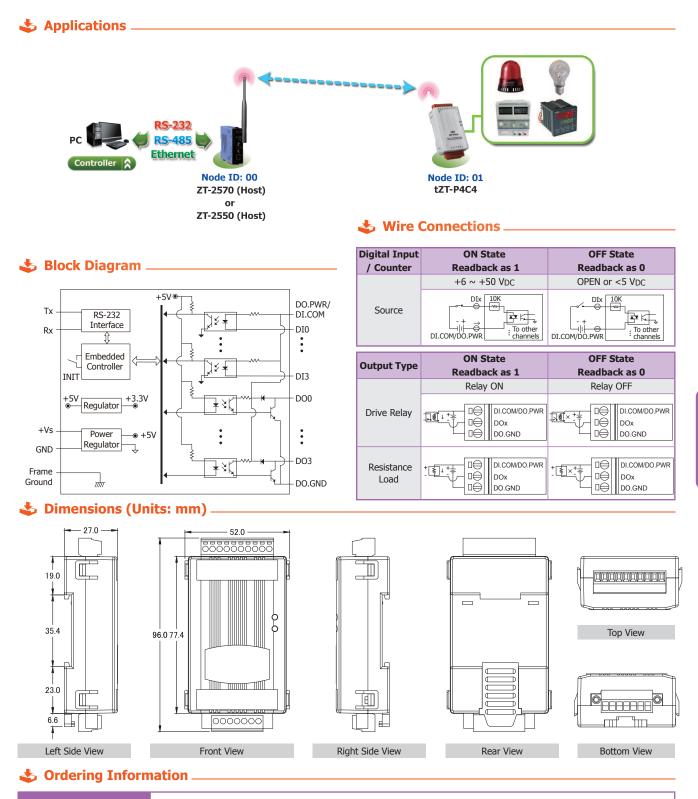
The tZT series products of ICP DAS have the advantage of low cost and low power consumption of ZigBee. Provide wireless communication capability up to 300 meters (LOS) standard transmission distance. Coupled with the dynamic mesh network, users can easily catch DIO data in difficult-to-wire environments.

Communication Interface		
Wireless Standards	ZigBee 2007 Pro	
Transmission Power	11dBm (Max. 19dBm)	
2.4GHz Antenna	2.4 GHz - PCB Antenna (3dBi, 50Ω)	
Transmission Range(LOS)	300m	
Protocols	Supports DCON and ModBus	
Watchdog	Module(1.6seconds), Communication(Programmable)	
LED Indicators		
ZigBee Communication	1LED, Green	
Power	1LED, Red	
EMS Protection		
ESD (IEC 61000-4-2)	±4 kV Contact for each Terminal	
EFT (IEC 61000-4-4)	±1 kV for Power	
Power		
Input Voltage Range	+10 VDC ~ +30 VDC	
Power Consumption	1W Max.	
Mechanical		
Dimensions(W x L x H)	52mm x 98mm x 27mm	
Installation	DIN-Rail Mounting	
Environment		
Operating Tempertaure	-25 ~ +75℃	
Storage Tempertaure	-30 ~ +80°C	
Humidity	10 ~ 95% RH(Non-condensing)	

System Specifications —

UVERSIGNATIONS

Digital Inp	out / Counter	
Input Channels		4
Туре		Wet Contact (Source)
On Voltage Level		+6 VDC ~ +50 VDC
Off Voltage Level		Max. +5 VDC
Counters	Channels	4
	Max. Counts	65535 (16-bit)
	Max. Input Frequency	100Hz
	Min. Pulse Width	5ms
Input Impe	dance	10 KΩ , 0.66W
Overvoltage Protection		± 70 VDC
Digital Ou	tput	
Output channels		4
Туре		Isolated Open Collector (Sink)
Load Voltage		+3.5 ~ +50 VDC
Max. Load Current		700mA / channel
Overvoltage Protection		Yes
Overload Protection		Yes
Power On Value		Yes, Programmable
Safe Value		Yes, Programmable



tZT-P4C4 CR

Wireless 4-channel Isolated Digital Input and 4-channel Isolated Digital Output Module (ZigBee Router) (RoHS)

Important Note:

ZigBee Data Acquisition modules require a ZigBee host converter to coordinate the data transmission path. Remember to order a ZT-2550 or ZT-2570 ZigBee host converter when purchasing ZigBee Data Acquisition Products.

🕹 Related Products 🗉

MDR-20-24	24 VDC/1.0 A, 24 W Power Supply with DIN-Rail Mounting	
ZT-2510 CR	ZigBee Repeater (Slave, ZigBee Router) (RoHS)	
ZT-2550 CR	RS-485/RS-232 to ZigBee Converter (Host, ZigBee Coordinator) (RoHS)	
ZT-2570 CR	Ethernet/RS-485/RS-232 to ZigBee Converter (Host, ZigBee Coordinator) (RoHS)	