

I-7547

Ethernet to HART Converter

Features

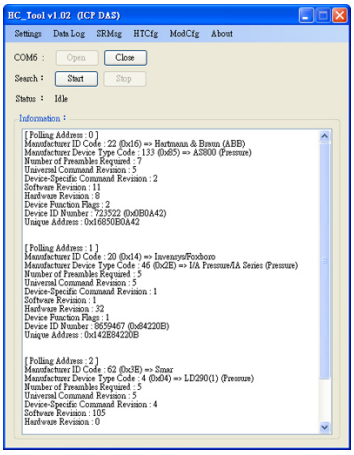
- Support HART Short/Long frame
- Support HART Burst mode
- Support point-to-point or multi-drop HART mode
- Support connecting up to 15 HART slave devices
- Provide HC_Tool for module configuration and HART communication
- Provide four HART channels.
- Support firmware update via Ethernet.
- Provide PWR / TxRx indication LED.
- 4KV ESD Protection.
- Selectable 250Ω load resistor. □

Introduction

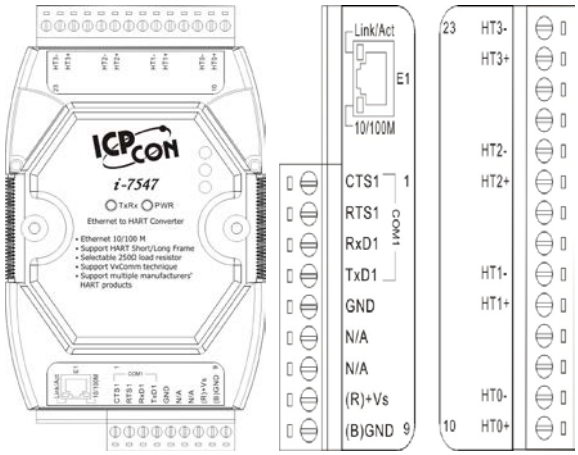
I-7547 is an Ethernet to HART converter specially designed as the master device of HART protocol. When connecting I-7547 to PC via Ethernet and install the VxComm utility, it will allow users to access the HART devices via virtual COM-port of PC. Therefore, users can make data collection and processing of HART network easier and quicker by applying I-7547. In addition, we also provide the free HC_Tool utility for module configuration and HART communication test easily.

Utility Features

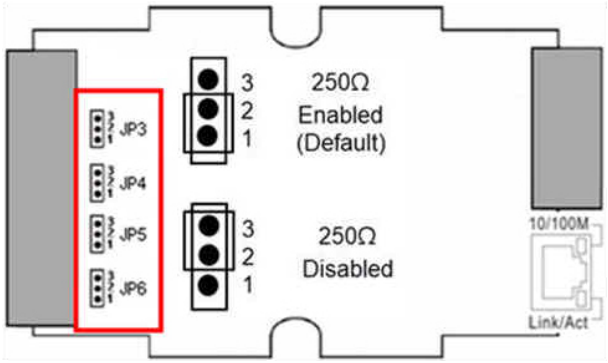
- Provide module configuration and HART communication easily and quickly.
- Provide HART devices search automatically.
- Provide diagnostic Information of HART device.
- Provide data logging for HART communication.



Pin Assignments



HART Loop Resistor

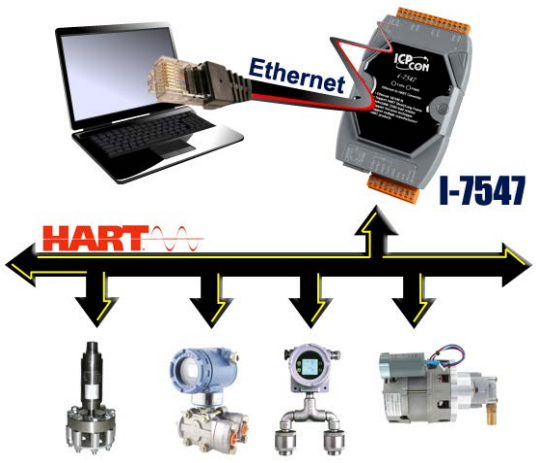


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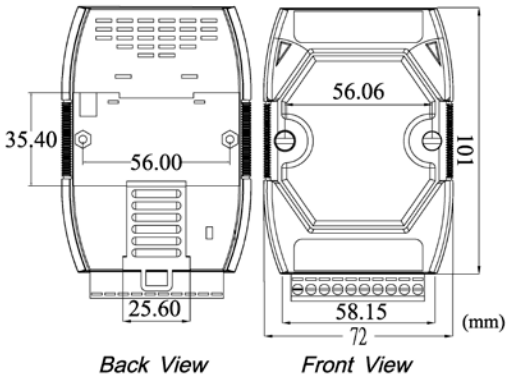
Specifications

Ethernet Interface	
Ethernet Port	10/100 Base-TX with Auto MDI/MDI-X
Virtual COM	Yes (VxComm Utility)
Built-In Web Server	Yes
HART Interface	
Channel	4
Connector	2-pin screwed terminal block for each HART port
Terminator Resistor	Selectable 250 Ω terminal resistor for each HART port
4KV ESD Protection	Yes, Contact for each terminal.
Isolation Voltage	500V_{DC}
ComPort Interface	
COM1	Tx / Rx / GND / RTS / CTS
Baud Rate (bps)	1200 ~ 115200bps
Data Format	N/O/E (odd parity), 5/6/7/8 (data bit), 1/2 (stop bit)
LED	
LED Display	PWR : Power Indicator
	TxRx : Data Received from Ethernet / HART Indicator
Power	
Power supply	Unregulated +10 ~ +30 V_{DC}
Protection	Power reverse polarity protection, Over-voltage, brown-out protection
Power Consumption	Maximum : 1.5W
Mechanism	
Installation	DIN-Rail or Wall Mounting
Dimensions	123mm x 72mm x 35mm (H x W x D)
Environment	
Operating Temperature	-25 to +75 °C (-13 to 167°F)
Storage Temperature	-30 to +80 °C (-22 to 176°F)
Humidity	5% ~ 95% RH, non-condensing

Application



Dimensions (Units: mm)



Ordering Information

I-7547 CR	Ethernet to HART Converter (RoHS)

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