

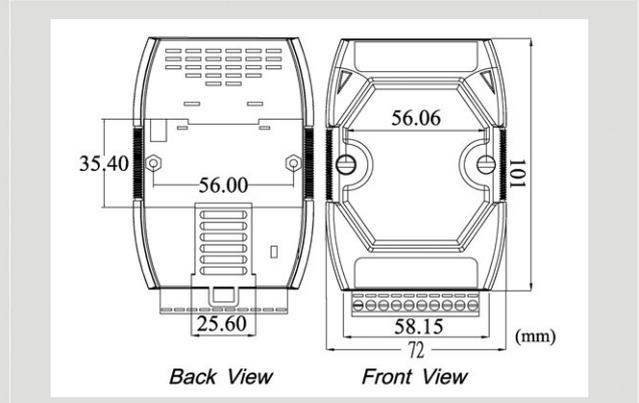


HART Series Products

Serial to HART Converter



I-7570

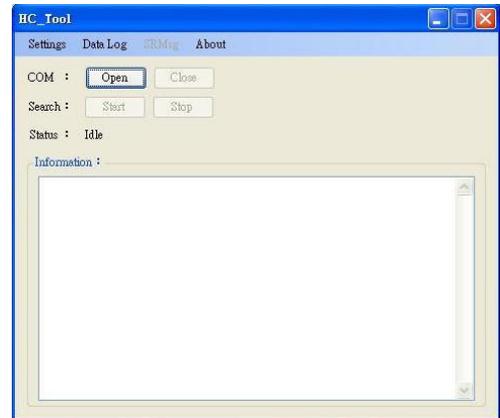


Dimensions

The I-7570 is a Serial to HART converter specially designed for the master device of HART protocol. It allows users to access the HART slave by using RS-232/RS-422/RS-485. These HART slave devices may be a transmitter, an actuator, a current output device and so forth. In addition, we also provide the utility tool for users to configure the I-7570.

Features

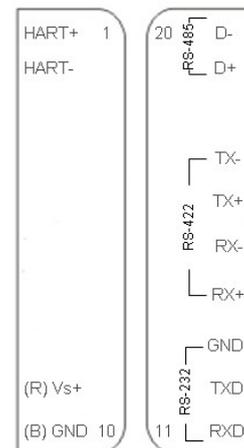
- Support HART Short/Long frame
- Allow two HART masters
- Working in point-to-point or multi-drop HART mode
- Connecting up to 15 HART modules
- Provide utility tool for module configuration
- Isolated COM 1: RS-232/422/485
- Provide PWR /TxD/RxD indication LED
- 4kV ESD Protection
- Built-in Watchdog
- Selectable 250Ω load resistor



Utility Features

- Read/Write HART device by HART command
- Provide diagnostic Information
- Read/Write module configuration of the HART-710

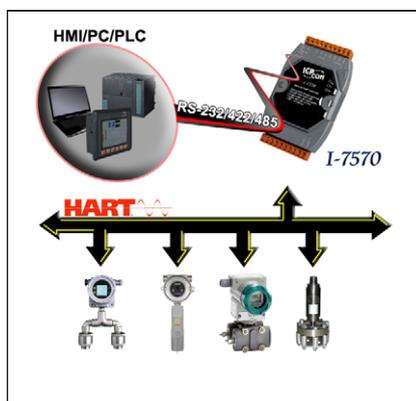
Pin Assignments



Hardware Specifications

Hardware	
CPU	32 bit, 100 MHz or compatible
Flash	512 KB
SRAM	64 KB
EEPROM	16 KB
WDT(Watchdog)	Watchdog IC
ESD Protection	4 kV class A
UART Interface	
COM 1	RS-232(3 wires)/RS-422/RS-485
COM 1 Connector	9-pin screwed terminal block
Baud Rate (bps)	Up to 115200
HART Interface	
HART Interface	2-pin screwed terminal block
HART Channel	1
Power	
Power supply	Unregulated +10 ~ +30 VDC
Protection	Power reverse polarity protection, Over-voltage brown-out protection
Power Consumption	Maximum : 1W
Environment	
Operating Temperature	-25 to 75 °C
Storage Temperature	-30 to 75 °C
Humidity	5 to 95% RH, non-condensing
Mechanism	
Installation	DIN-Rail or Wall Mounting
Dimensions	108mm x 72mm x 35mm(H x W x D)

Applications



Ordering Information

I-7570 CR	Serial/HART Converter (RoHS)
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