



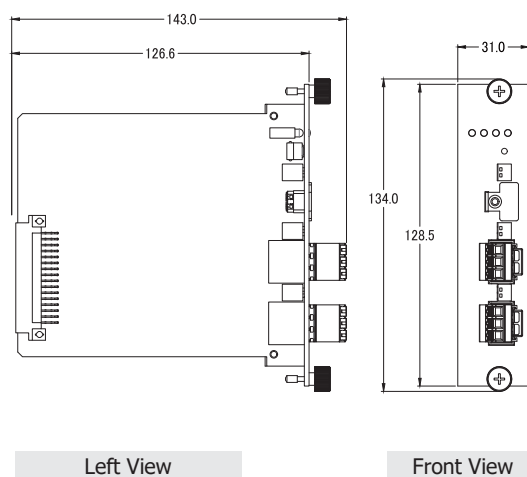
I-9720

Modbus RTU/ASCII slave to HART master Gateway
with 2 HART ports

Introduction

I-9720 is a Modbus RTU/ASCII slave to HART master gateway with 2 HART ports. It can be used in Windows / WinCE / Linux 9K series PAC for Modbus master to get HART device data easily. It provides adjustable HART loop power (27VDC) and loop resistor (250 ohm, 2W) to simplify HART network wiring. Free HG_Tool is used for module configuration and HART device data monitor quickly.

Dimensions (Units: mm)



Features

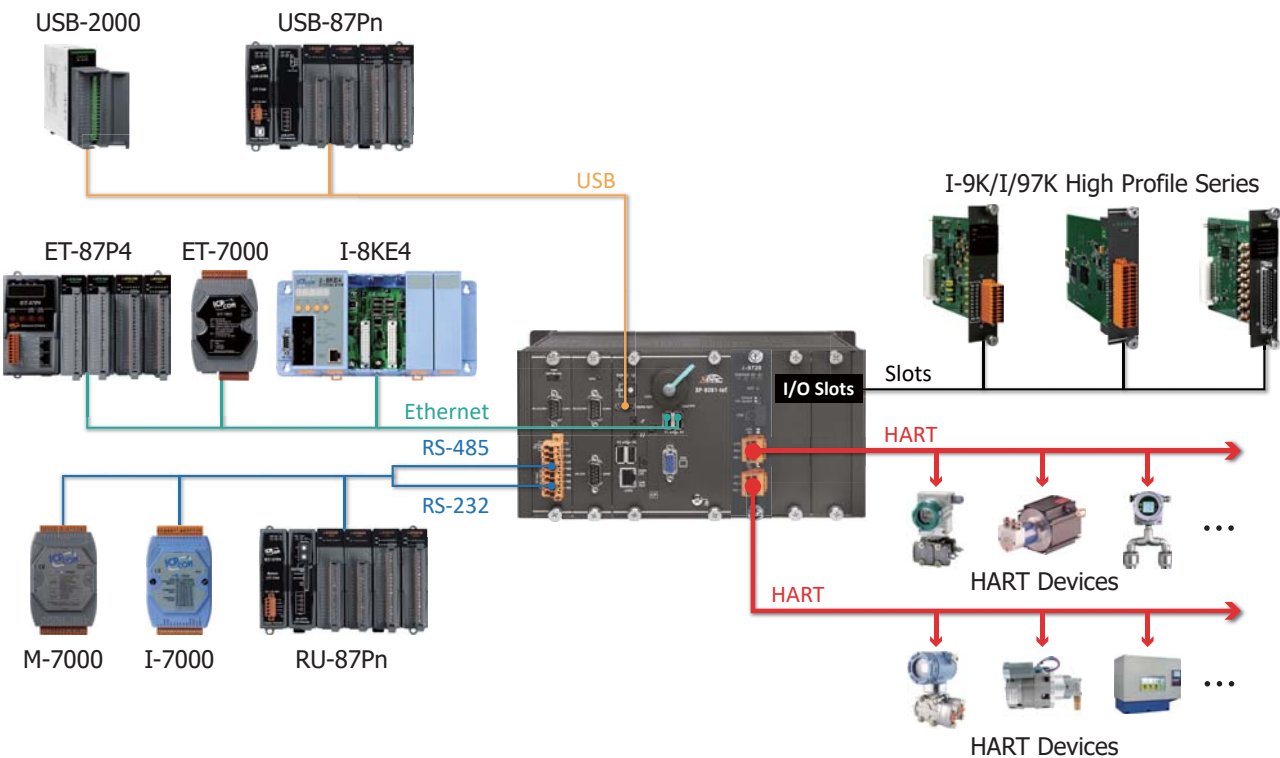
- Support two HART channels
- Support HART Short/Long frame
- Support Modbus RTU and ASCII format
- Support HART network Loop Power (27VDC)
- Built-In HART network resistor 250 ohm (2W)
- Provide LED indicators
- Support Windows / WinCE / Linux 9K series PAC
- Free HG_Tool for module configuration
- Support module configuration via USB
- Support RST button for module reboot



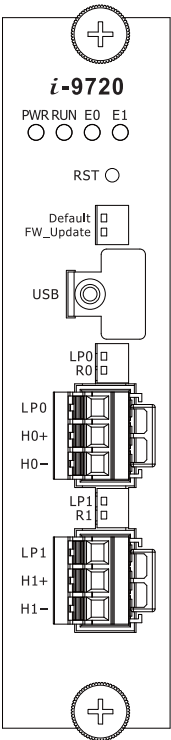
Specifications

Hardware	
Watchdog	Hardware watchdog (1.6 second)
ESD Protection	4 KV class A
Backplane COM Port	
Baud Rate (bps)	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200
Protocol	Modbus RTU / ASCII Slave (Function Code : 1, 2, 3, 4, 5, 6, 15, 16)
HART Port	
HART Channel	2
HART Connector	CH0 : LP0, H0+, H0- ; CH1 : LP1, H1+, H1-
HART Device	2-wired / 4-wired HART devices
HART Topology	Point to Point / Multi-Drop
HART Data	Only HART Digital Signal Data
HART Frame Type	Short Frame / Long Frame
Burst Mode	Supported
Max. HART Device	15 / per HART channel
Loop Resistor	250 Ω (2W) by Dip-Switch
Isolation	Follow UL1577 Spec.
USB Port	
Connector	Type C
Driver	USB Virtual COM port driver for Windows XP/7/8/10/11
Indicator	
LED Indicators	PWR / RUN / E0 / E1
Mechanical	
Dimensions (W x L x H)	31mm x 134mm x 143mm
Environmental	
Operating Temperature	-25 ~ +75 $^{\circ}\text{C}$
Storage Temperature	-30 ~ +80 $^{\circ}\text{C}$
Humidity	10 ~ 90% RH, Non-condensing

Applications



Pin Assignments



Name	Description
USB	USB Type C for module configuration
LP0+	Loop Power (+27VDC) of HART channel 0
H0+	HART+ of HART channel 0
H0-	HART- of HART channel 0
LP1+	Loop Power (+27VDC) of HART channel 1
H1+	HART+ of HART channel 1
H1-	HART- of HART channel 1

Ordering Information

I-9720 CR	Modbus RTU/ASCII slave to HART master Gateway with 2 HART ports (RoHS)
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