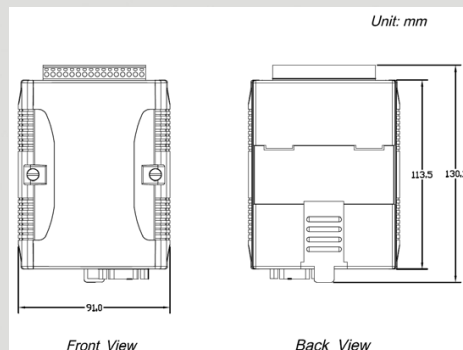




CE FCC

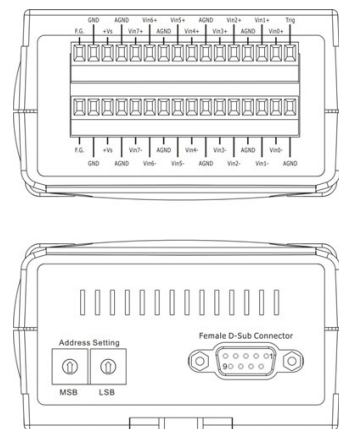
PROFI-5024



Dimensions

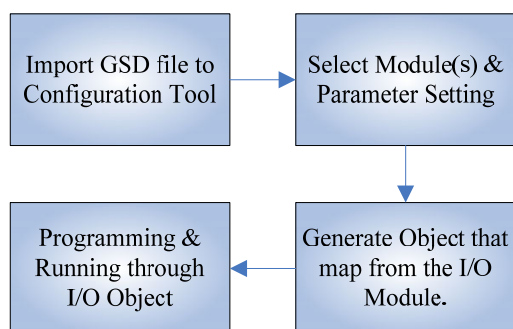
Features

- ## Pin Assignments



Female D-Sub Connector

Design Flowchart



Pin No.	Signal	Meaning
3	A-Line	Receive/Transmit data-minus
4	CNTR-P	Repeater control signal, RTS signal
5	GND	Power ground of active terminator
6	VP	Power 5 volt of active terminator
8	B-Line	Receive/Transmit data-plus

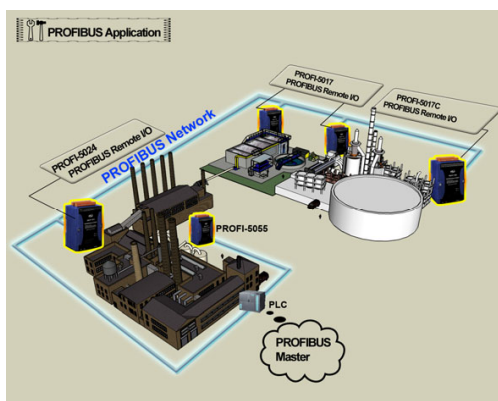


Hardware Specifications

Hardware	
CPU	80186, 80 MHz or compatible
SRAM/Flash/EEPROM	512 KB / 512 KB / 2 KB
Watchdog	Watchdog IC, CPU built-in
ESD Protection	4 kV class A
PROFIBUS Interface	
Controller	Siemens SPC3
Transceiver	ADI ADM2486
Connector	9-pin female D-Sub
Baud Rate (bps)	9.6 k, 19.2 k, 45.45 k, 93.75 k, 187.5 k, 500 k, 1.5 M, 3 M, 6 M, 12 M
Transmission Distance (m)	Depend on baud rate (for example, max. 1200 m at 9.6 kbps)
Isolation	3000 V _{DC} for DC-to-DC, 2500 Vrms for bus-to-logic
Protocol	DP-V0
UART Interface	
COM	RS-232 on board (For updating firmware) ^{Note 1.}
I/O	
Analog Output	4 Channel Voltage & Current Output, Isolation Voltage:3750Vrms
Output Range	+/- 10V, 0 ~ 20mA, 4 ~ 20mA
Accuracy	+/- 0.1% of FSR for Voltage Output ; +/- 0.2% of FSR for Current Output
LED	
Round LED	PWR LED, RUN LED, ERR LED
Power	
Power supply	Unregulated +10 ~ +40 V _{DC}
Protection	Power reverse polarity protection, Over-voltage brown-out protection
Power Consumption	4W
Mechanism	
Installation	DIN-Rail
Dimensions	91 mm x 128 mm x 52 mm (W x L x H)
Environment	
Operating Temp.	-25 ~ 75 °C
Storage Temp.	-40 ~ 80 °C
Humidity	5 ~ 95% RH, non-condensing

Note 1: CA-0904 : transform from 4-pin connector to 9-pin Female D-Sub connector.

Application



Ordering Information

PROFI-5024 CR	PROFIBUS Remote I/O Module (4-Ch Isolated Analog Voltage & Current Output)
----------------------	---