IPP-3100

Features

- 16 channels Digital Input

- 8 channels Digital Output, up to 1~5A each channel

- 1 Port UART Output: RS-232/RS-485

- DI contact for signal trigger

- Web browser remote control, no software is required

- LAN Gateway/Network controller for other IPP family

- Easy installation and maintain

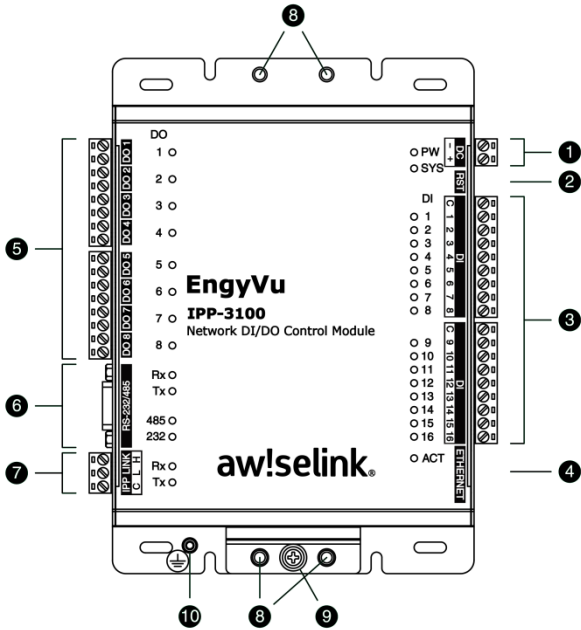- Support IPP-LINK Network(CANbus)

Introduction

IPP-3100 Network Control Module is gateway between LAN and IPP series devices. IPP-3100 provides a web interface to handle each IPP products configuration, scheduling and backup functions. IPP-3100 offers a variety of external devices can be integrated application interface include one RS-232/485(select by setting), 16 channels DI and 8 channels DO. IPP-3100 provides TCP/IP protocol to remote control "IPP Link" network. Each IPP product can be operated independent and using IPP Link to connect and communicates each other. IPP Link is very reliable (CANbus) and scalable and even the link is broken it will not affect the normal operation of other module. Integrate more IPP series product to extend applications. IPP-Link is optional.

Specifications

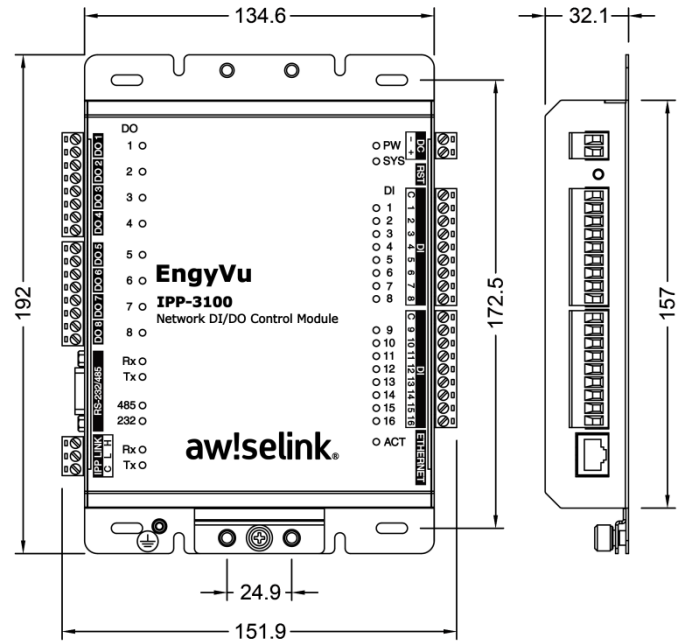| Model Name	IPP-3100		
System Specifications		**General Specifications**	
CPU	SMART ARM-based Embedded MPU 400MHZ	**Main Power Input**	24Vdc,1A
Memory:	4MB SDRAM, 256MB NAND Flash	**Power Consumption**	400mA@24Vac
OS	Linux kernel 2.6.29 with file system	**Connections**	RS-232/485: DB9 male socket
Network Interface	Type: 1 x 10/100Mbps Ethernet	**DI interface**	16 channels, Max. 24Vdc
	PHY: DAVICOM DM9161	**DO interface**	8 channels
UART	Port 0: RS-232, 115200 bps		CH1~6: From A, Max. 5A 250Vac; 5A 30Vdc
IPP-LINK(option)	CAN Specification Version 2.0A & B		CH7~8: From A, Max. 0.5A 125Vac; 1A 30Vdc
	Bit rate 500Kbps	**Temperature**	Operating 0~55°C
		Relative Humidity	80% max, indoor use only
		Wall mounted	151.9mm (W) x 222mm(L) x 32.1mm(H)
		Weight	770g

Connections
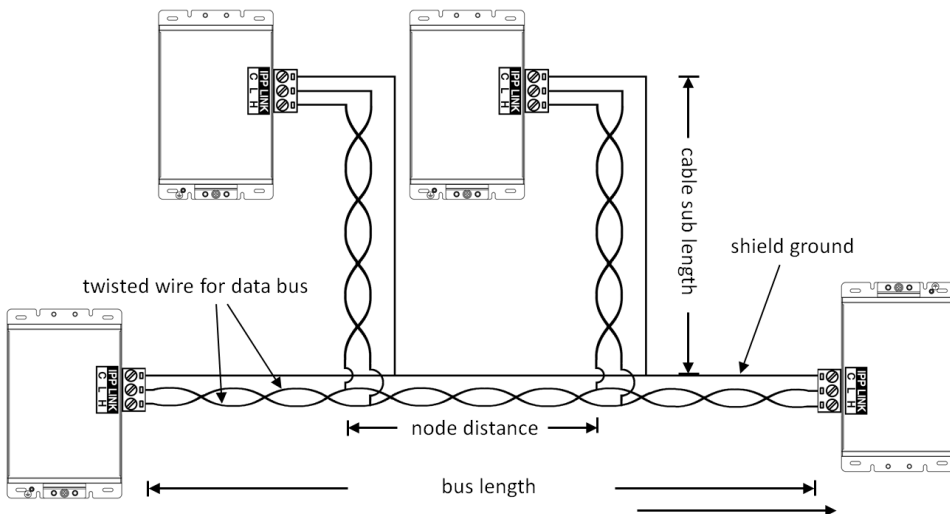

❶ Main power input, +24 Vdc
❷ Reset button
❸ 16 channel Digital Input (DI)
❹ Ethernet RJ45 10/100M socket
❺ 8 channel Digital Output (DO)
❻ RS-232/485 DB9 male socket (switch by software control)
❼ IPP Link (C = Shield ground; H, L = Data Signal)
❽ DIN-Rail kits fixed position
❾ Thumbscrews
❿ Frame Grounding

Dimension Drawing

unit: mm

IPP Link Diagram

Bus Length	100 meters (328 feet)
Cable Stub Length	0.3 meters (1 foot)
Node Distance	100 meters (328 feet)

Ordering Information

P/N	Product Description	Operating Temperature	
IPP-3100	Network DI/DO Control Module	0 ~ 55℃	

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