

IP-IA-16DIP IO-Link Slave/ 16 Channels Digital Input (PNP)

1 Module Features

- ◆ Support the Data Storage function;
- ◆ Support 16 channels digital input;
- ◆ Support the input holding function (Keep the read input value unchanged for a certain period of time);
- ◆ Support configurable filter time;

2 Technical Parameter

IO-Link Protocol	
Protocol Standard	IO-Link V1.1slave protocol
Transfer Rate	Default: COM2 (38.4kbps)
Vendor ID	0x0651
Device ID	0x81122F (8458799)
Communication Port	
Port Definition	M12 A-code 4 Pin, needle end Pin1: 24V (Us), the positive of system power Pin2: NC Pin3: 0V (GND) Pin4: C/Q
Us Power Supply Rated Voltage	24VDC
Module Consumption	Max.50mA@24VDC
IO Port	
Quantity	8 Ports, 16 channels digital input (M12, A-code, 5 Pin, hole end)
Terminal Type	8×M12, hole end
Port Definition	Pin1: 24V, positive of power output, provide by Us Pin2: Signal 1, digital input Pin3: 0V Pin4: Signal 2, digital input Pin5: FG, functional grounding
Digital Input	
Channel Indicator	Support, green
Input Feature	Type 3, high level is valid (PNP)
Rated Voltage	24VDC
Signal “0”	-5V DC~+5V DC (Us power rail)
Signal “1”	+11 DC~+30V DC (Us power rail)
Minimum Voltage	-5V DC
Maximum Voltage	+30V DC
Input Current	2.5mA (for the signal “1”, rated voltage input)
Input Delay	OFF to ON: Max.500μs ON to OFF: Max. 500μs
Channel Isolation	There is no isolation between channels
Filter	Configurable
Diagnosis Function	
Status Display	Power indicator, running state, communication state, running error indicator
Diagnosis Function	Communication diagnosis
Us power anti-reverse protection	Support
Us power overvoltage detection	Support, Us>30VDC triggered
Us power undervoltage detection	Support, 9VDC≤Us≤18VDC triggered

Dimension	
Dimension	160 mm *60 mm *35.5 mm
Weight	305 g
Configuration Method	
Master Configuration	Support
Software Configuration	Support
Environment Parameter	
Operating Temperature	-30 °C~60 °C
Protection Grade	IP67
Storage Temperature	-40 °C~85 °C
Installation Altitude	<2000m
Pollution Degree	II
ESD	Air discharge: ± 15 kV, contact discharge: ± 8 kV, performance class A; Executive standard: IEC 61000-4-2
EFT	Power port: ± 2 kV, communication port: ± 2 kV, performance class A; Executive standard: IEC 61000-4-4
Surge	Communication & IO Ports: ± 1 kV DM, Power Ports: ± 0.5 kV DM, ± 0.5 kV CM, Performance Class A; Executive Standard: IEC 61000-4-5
RS	Executive Standard: IEC 61000-4-3
CS	Executive Standard: IEC 61000-4-6
Product Certification	CE certification

3 Hardware Description

