ADVANTECH

NVH-IO

Module for simple integration of third party systems. (12 channels)

DESCRIPTION

The NVH-IO module accomplishes an easy integration of third party automation and enterprise systems. Through its 6 input and 6 output channels, the module makes it easy to connect various different systems for measurement, control and automation purposes.

Description

VDG Sense can be programmed to either receive signals, which are seen as events and can trigger macro's, or send signals to the ADAM module to trigger third party devices. For instance, an intrusion detection on a door can send a signal to ADAM whenever the door is opened, which then sends a signal to VDG Sense. In VDG Sense, this event triggers a dome camera preset to focus on that door and to monitor who enters.

The ADAM module ensures an easy connection between VDG Sense and any other system capable to send digital signals, without the need for complex programming.

Features

- 6-ch DI, 6-ch RL, Ethernet-based smart I/O
- Remote monitoring and control with mobile devices
- Group configuration capability for multiple module setup
- Flexible user-defined Modbus address
- Intelligent control ability by Peer-to-Peer and GCL function
- Active I/O message by data stream or event trigger function
- Multiple protocol support: Modbus TCP, TCP/IP, UDP, HTTP, DHCP
- Web language support: XML, HTML 5, Java Script

Digital Input

Channels	6
Dry Contact	Logic level 0: close to GND
	Logic level 1: open
Wet Contact	Logic level 0: 3 VDC
	Logic level 1: 10 ~ 30 VDC
	Supports 3 kHz Counter Input (32-bit + 1-bit overflow)
	Keep/Discard Counter Value when Power-off
	Supports 3 kHz Frequency Input
	Supports Inverted DI Status

Relay Output (Form A)

Channels	6
Contact Rating (Resistive)	120 VAC @ 0.5 A, 30 VDC @ 1 A
Breakdown Voltage	500 VAC (50/60 Hz)
Relay On Time	7 ms
Relay Off Time	3 ms
Total Switching Time	10 ms
Insulation Resistance	1 G min. at 500 VDC
Maximum Switching Rate (at rated load)	20 operations/minute
	Supports Pulse Output

General

LAN	10/100Base-T(X)
Power Consumption	2 W @ 24 VDC
Connectors	RJ-45 (Ethernet), Plug-in screw terminal block (I/O and power)
Watchdog	System (1.6 second) and Communication (programmable)
Power Input	10 ~ 30 VDC
Dimensions (W x H x D)	70 x 122 x 27 mm
Enclosure	PC
Mounting	DIN 35 rail, stack, wall
	Supports Peer-to-Peer, GCL
	Supports User Defined Modbus Address
	Supports Modbus/TCP, TCP/IP, UDP, DHCP and HTTP Protocols

Protection

	Power Reversal Protection
Isolation Protection	2,000 VDC

Environment

Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)
Storage Temperature	-30 ~ 80°C (-22 ~ 176°F)
Operating Humidity	20 ~ 95% RH (non-condensing)
Storage Humidity	0 ~ 95% RH (non-condensing)

Specs

Environment

Software

.NET Class Library (SDK)	Windows and Windows CE Class Library, VB and VC# Sample Code for I/O Reading or Configuration a
Adam/Apax .NET Utility	Network Setting, I/O Configuration, Data stream, P2P, GCL Configuration

Ordering Info

NVH-IO	6x I/O contacts, Ethernet interface