

ARK-8060DHI

4-channel isolated digital input and 4-channel relay output module



Specifications and Features

Communication Interface

Communication Method: RS-485
Interface: 2-line
Speed: 300bps~115.2Kbps
Communication Distance: 1200m/9600bps

Relay Output Interface

Channel: 4-channel
Relay Type: 2-channel A type, 2-channel C type
Operate Time: 3ms
Release Time: 2ms
Total Switch Time: No more than 10ms
Contact Power: AC: 125V@0.6A; 250V@0.3A
DC: 30V@2A; 110V@0.6A
Insulation Resistance: 1GΩ
Voltage of Internal Coils: 500VAC(50HZ/60HZ)

Digital Input Interface

Channel: 4-channel
Logic Level 0: Max. 1V
Logic Level 1: 4V~30V
Input Impedance: 3000Ω
Channel Count Frequency: ≤100Hz
Isolation Voltage: 3000V_{DC}

Power Supply

Power Supply: 10V~30V

Other Function

Dual Watchdog Timer

General Specifications

Power Consumption: <1.9W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C~+80°C

Ordering Information

Part Number	Model Number	Description
0070-001720	ARK-8060DHI	4-channel isolated digital input and 4-channel relay output module

ARK-8060M

A 4-channel isolated digital input and 4-channel relay output module



Specifications and Features

Communication Interface

Communication Method: RS-485
Interface: 2-line
Speed: 300bps~115.2Kbps
Communication Distance: 1200m/9600bps

Relay Output Interface

Channel: 4-channel
Relay Type: 2-channel A type, 2-channel C type
Operate time: 3ms
Release Time: 2ms
Total Switch Time: no more than 10ms
Contact Power: AC: 125V@0.6A; 250V@0.3A
DC: 30V@2A; 110V@0.6A
Insulation Resistance: 1GΩ (DC 500V megohm meter)
Voltage of Internal Coils: 500V_{AC}(50HZ/60HZ)

Compliant Protocols

Modbus RTU Protocol

Digital Input Interface

Channel: 4-channel
Logic Level 0: Max. 1V
Logic Level 1: +4V~30V
Input Impedance: 3kΩ
Channel Count Frequency: ≤100Hz
Isolation Voltage: 3000V_{DC}

Power Supply

Power Supply: 10V~30V

Other Function

Dual Watchdog Timer

General Specifications

Power Consumption: <1.9W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C~+80°C

Ordering Information

Part Number	Model Number	Description
0070-001930	ARK-8060M	A 4-channel isolated digital input and 4-channel relay output module

ARK-8153DH

16-channel digital input module



Specifications and Features

Communication Port

Communication Method: RS485
Port: 2-line
Speed (bps): 300~115.2K
Communication Distance: 1200 meters (baud rate: 9600bps)

Power Supply

Power Supply Voltage: 10V~30V

Digital Input Port

Channel: 16-channel (source type)
Isolation: Non-isolation
Logical 0 Level Characteristics: Shorted with ground
Logical 1 Level Characteristics: Open

Other Function

Watchdog Timer

General Specifications

Power Consumption: 1.4W @24V_{DC}
Operating Temperature: -25°C~+75°C
Storage Temperature: -30°C~+80°C

Ordering Information

Part Number	Model Number	Description
0070-001970	ARK-8153DH	16-channel digital input module

ARK-8156DHI

12-channel sink current isolation digital output



Specifications and Features

Communication Port

Communication Method: RS-485
Port: 2-line
Speed: 300bps~115.2Kbps
Communication Distance: 1200m/9600bps

Power Supply

Power Supply Input: +10V~+30V

Digital Output

Channel: 12-channel;
Collector Voltage 5V~40V
Load Current: Up to 200mA for single mode;
100mA for synchronous mode.
Isolation Voltage: 5000V_{DC}

Other Function

Dual Watchdog

General Specifications

Power Consumption: ≤1.0W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C~80°C

Ordering Information

Part Number	Model Number	Description
0070-002060	ARK-8156DHI	12-channel isolation sink current digital output channel