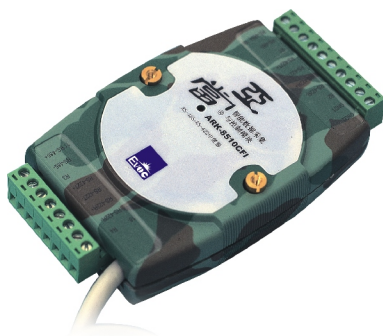# ARK-8510CFI
It is a repeater of RS-485 signal and RS-422 signal, and can also convert RS-485 to RS-422

Specifications and Features

RS-485 Connector
Connector Type: Differential signal, 2-line half-duplex cable
Baud Rate (bps): 300bps~115.2kbps
Isolation Voltage: 3000V$_{DC}$
Communication Distance: 1200m/9600bps
Driving Capacity: Supports 128 drivers

Power Supply
AC: 85V~264V; DC: 120V~370V

RS-422 Connector
Connector Type: Differential signal, 4-thread full-duplex cable
Baud Rate (bps): 300bps~115.2kbps
Isolation Voltage: 3000V$_{DC}$
Communication Distance: 1200m/9600bps
Driving Capacity: Supports 128 drivers

Other Functions

Automatically identifies the signal transmitting direction of RS-485 without flow control
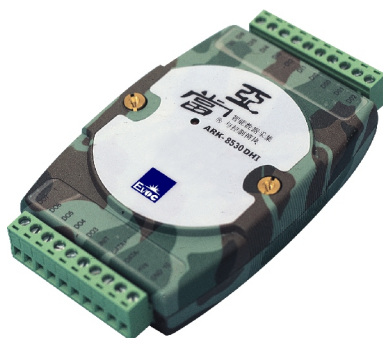Built-in 500w/ms anti-lightning protection and surge protection

General Specifications

Power Consumption : <3.7W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C~+80°C

Ordering Information

Part Number	Model Number	Description
0070-000260	ARK-8510CFI	A repeater of RS-485 signal and RS-422 signal

ARK-8530DHI
A CAN to RS-485/RS-232 converter

Specifications and Features

RS-232 Connector
Connector Type: DB9 female connector
Baud Rate: 300bps-115.2kbps
Isolation Voltage: 2500V$_{DC}$

CAN Bus
Connector Type: Standard twisted-pair
CAN bus circuit is opto-isolated, 2500 V$_{DC}$
CAN supports 110 nodes
CAN supports CAN2.0A protocol and CAN2.0B protocol,
with adjustable baud rate of 5Kbps~1Mbps, and Max.
Communication distance of 10Km

RS-485 Connector
Connector Type: Differential signal, 2-line half-duplex cable
Baud Rate (bps): 300bps~115.2kbps
Isolation Voltage: 2500V$_{DC}$
Communication Distance: 1200m/9600bps
Driving Capacity: Supports up to 256 drivers

General Specifications

Power Consumption: <1.5W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C-+80°C

Ordering Information

Part Number	Model Number	Description
0070-001500	ARK-8530DHI	A CAN to RS-485/RS-232 converter

ARK-8560NFI
A protocol conversion module between 1 channel USB and 2 serial ports

Specifications and Features

USB Ports
Compliant Protocol: USB1.1/USB2.0 standards
Port: USB
Speed: 12Mbps (full-speed mode)

Serial Port2
Compliant Protocol: RS-232/485/422
Interface: Connected terminals
Serial Port Type: 3-line serial port
Speed: 300~1Mbps

Serial Port1
Compliant Protocol: RS-232
Port: DB9
Serial Port Type: Serial port that supports all usual signal lines
Speed: 300bps~1Mbps

Power Supply
Internal USB power supply

Software
Virtual serial port software
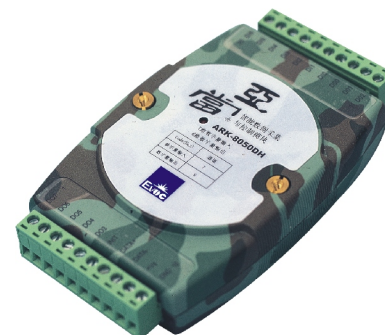USB driver

General Specifications

Power Consumption: 300mA@5V$_{DC}$
Operating Temperature: -25~75°C
Storage Temperature: -40~80°C
Operating Humidity: 20~95% (non-condensing)
Storage Humidity: 5~95% (non-condensing)

Ordering Information

Part Number	Model Number	Description
0070-001750	ARK-8560NFI	A protocol conversion module between 1 channel USB and 2 serial ports

ARK-8050DH
7-channel digital input, 8-channel digital output module

Specifications and Features

Communication Interface
Communication Method: RS-485
Connector: 2-line
Speed (bps): 300~115.2K
Communication Distance: 1200m/9600bps

Digital Output Interface
Channel: 8-channel
Output Features: Output via Darlington transistors
Max. Sink Current: 200mA

Digital Input Interface
Channel: 7-channel
Logic Level O: Max. +1V
Logic Level 1: +3.5V~30V
Pull-up Resistance: 10k Ω
Max. Current: 2.8mA

Power Supply
Power Supply: 10V-30V

Other Functions
Watchdog Timer
Counting Function

General Specifications

Power Consumption: <1W
Operating Temperature: -25°C~+75°C
Storage Temperature: -40°C~+80°C

Ordering Information

Part Number	Model Number	Description
0070-000250	ARK-8050DH	A non-isolated 7-channel digital input, 8-channel digital output module