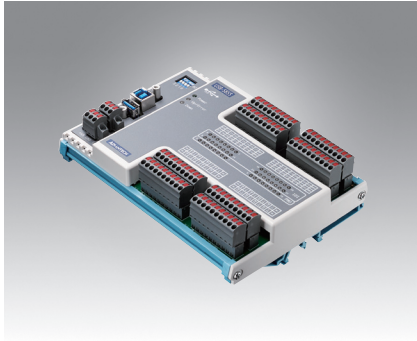


# USB-5855 USB-5856 USB-5862

## 32-ch Isolated Digital Input & 16-ch PhotoMOS Relay USB 3.0 I/O module

## 32-ch Isolated Digital Input and 32-ch Isolated Digital Output USB 3.0 I/O module

## 16-ch Isolated Digital Input & 16-ch Relay USB 3.0 I/O module

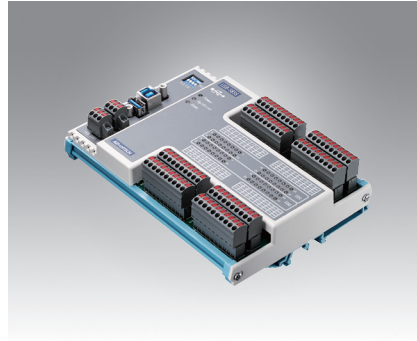


USB-5855



### Features

- USB 3.0 SuperSpeed
- Daisy chainable by built in USB hub
- 32-ch digital input and 16-ch PhotoMOS Relay output (Form A) isolation
- Wide input voltage range (10 ~ 30 V<sub>DC</sub>)
- 1500 V<sub>DC</sub> optical isolation for relay outputs
- Quick removable European type connector
- LED indicators for I/O status
- Supported operating systems: Windows XP/7/8/10

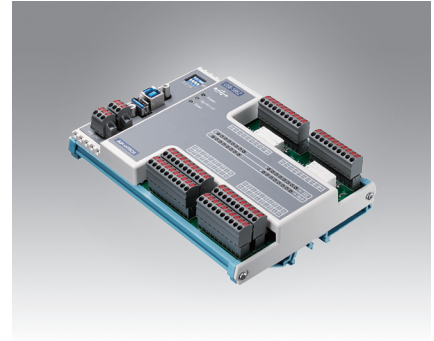


USB-5856



### Features

- USB 3.0 SuperSpeed
- Daisy chainable by built in USB hub
- 32-ch digital input and 32-ch digital output with 2,500 V<sub>DC</sub> isolation
- Wide input voltage range (10 ~ 30 V<sub>DC</sub>)
- Wide output voltage range (5 ~ 40 V<sub>DC</sub>) and high output current (350 mA/ch)
- Quick removable European type connector
- LED indicators for I/O status
- Supported operating systems: Windows XP/7/8/10



USB-5862



### Features

- USB 3.0 SuperSpeed
- Daisy chainable by built in USB hub
- 16-ch Isolated Digital Input and 16-ch Form A-type Relay Output
- Wide input voltage range (10 ~ 30 V<sub>DC</sub>)
- High-voltage isolation on input channel (2,500 V<sub>DC</sub>)
- Quick removable European type connector
- LED indicators for I/O status
- Supported operating systems: Windows XP/7/8/10

## Introduction

The USB-5800 series are industrial isolated digital input and output USB 3.0 I/O modules. Its compact size and DIN-rail mount kit can install easily in a cabinet. Built in USB hub can support daisy chain topology. Euro type pluggable terminal blocks and LED indicator help users to maintain and set up their system. All digital input and digital output channels are protected by 2,500 V<sub>DC</sub> isolation.

## Specifications

### Digital Input

- **Channels** 32
- **Input voltage** Logic 0: 3 V max.  
Logic 1: 10 V min. (30 V max.)
- **Isolation protection** 2,500 V<sub>DC</sub>

### PhotoMOS Relay Output

- **Channels** 16
- **Relay type** PhotoMOS SPST (Form A)
- **Load Voltage** 60V (AC peak or DC)
- **Load current** 1.2A
- **Peak load current** 4A @ 100ms (1 pulse)
- **Isolation protection** 1,500 V<sub>DC</sub>
- **Turn-on time** 1 ms typical
- **Turn-off time** 0.6 ms typical

### General

- **Interface** USB 3.0
- **Data transfer rates** 5 Gbps
- **Connectors** 10-pin 3.81 mm terminal block \* 8 (I/O)  
3-pin 3.81 mm screw terminal block (power) \* 2  
USB 3.0 type A (to PC)  
USB 3.0 type B (hub)  
168 x 120 x 40 mm
- **Dimensions** 168 x 120 x 40 mm
- **Operating temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V<sub>DC</sub>
- **Power Consumption** Typical 240mA @ 5V;  
Max. 720mA @ 5V

## Ordering Information

- **USB-5855-AE** 32-ch isolated digital input & 16-ch PhotoMOS relay USB 3.0 I/O module
- **96PSD-A40W24-MM** DIN RAIL A/D 100-240V 40W 24V

## Specifications

### Digital Input

- **Channels** 32
- **Input voltage** Logic 0: 3 V max.  
Logic 1: 10 V min. (30 V max.)
- **Isolation protection** 2,500 V<sub>DC</sub>

### Digital Output

- **Channels** 32
- **Load voltage** 5 ~ 40 V<sub>DC</sub>
- **Load current** 350mA/ch (sink) @ 25°C  
250mA/ch (sink) @ 60°C
- **Isolation protection** 2,500 V<sub>DC</sub>
- **Opto-isolator Response Time** 100us

### General

- **Interface** USB 3.0
- **Data transfer rates** 5 Gbps
- **Connectors** 10-pin 3.81 mm terminal block \* 8 (I/O)  
3-pin 3.81 mm screw terminal block (power) \* 2  
USB 3.0 type A (to PC)  
USB 3.0 type B (hub)  
168 x 120 x 40 mm
- **Dimensions** 168 x 120 x 40 mm
- **Operating temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V<sub>DC</sub>
- **Power Consumption** Typical 240mA @ 5V;  
Max. 600mA @ 5V

## Ordering Information

- **USB-5856-AE** 32-ch isolated digital input & 32-ch isolated digital output USB 3.0 I/O module
- **96PSD-A40W24-MM** DIN RAIL A/D 100-240V 40W 24V

## Specifications

### Digital Input

- **Channels** 16
- **Input voltage** Logic 0: 3 V max.;  
Logic 1: 10 V min. (30 V max.)
- **Isolation protection** 2,500 V<sub>DC</sub>

### Relay Output

- **Channels** 16
- **Relay Type** Form A
- **Contact Rating (resistive)** 2A @ 250V<sub>AC</sub>, 2A @ 30V<sub>DC</sub>
- **Max. Switching Power** 500VA, 60W
- **Max. Switching Voltage** 270V<sub>AC</sub>, 125V<sub>DC</sub>
- **Resistance** 30mΩ max.
- **Operating Time** Max. 10ms
- **Releasing Time** Max. 5ms
- **Life Expectancy** Mechanical 2 x 10<sup>7</sup> ops. at no load.  
Electrical 3 x 10<sup>4</sup> ops. @ 2A/250V<sub>AC</sub>

### General

- **Interface** USB 3.0
- **Data transfer rates** 5 Gbps
- **Connectors** 10-pin 3.81 mm terminal block \* 6 (I/O)  
3-pin 3.81 mm screw terminal block (power) \* 2  
USB 3.0 type A (to PC)  
USB 3.0 type B (hub)  
168 x 120 x 40 mm
- **Dimensions** 168 x 120 x 40 mm
- **Operating temperature** 0 ~ 60°C (32 ~ 140°F)
- **Storage temperature** -40 ~ 70°C (-40 ~ 158°F)
- **Storage humidity** 5 ~ 95% RH (non-condensing)
- **Power supply** 10 ~ 30 V<sub>DC</sub>
- **Power Consumption** Typical 240mA @ 5V;  
Max. 680mA @ 5V

## Ordering Information

- **USB-5862-AE** 16-ch isolated digital input & 16-ch relay USB 3.0 I/O module
- **96PSD-A40W24-MM** DIN RAIL A/D 100-240V 40W 24V

# Tento produkt můžete zakoupit u společnosti AutoCont IPC a.s.



## AutoCont IPC a.s.

Váš dodavatel průmyslových počítačů, komponent a speciálních průmyslových IT systémů.

 Uhlířská 1064/3, 710 00 Ostrava, Česká republika

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 +420 552 301 002

 [www.autocont-ipc.cz](http://www.autocont-ipc.cz)



### PRŮMYSLOVÉ POČÍTAČE

*fanless embedded PC, do racku, ...*



### POČÍTAČE S DISPLEJEM

*panelové PC, terminály, do vozidel, ...*



### AUTOMATIZACE A SBĚR DAT

*převodníky, karty, moduly, switche, ...*



### PERIFERIE A KOMPONENTY

*monitory, klávesnice, desky, skříně, ...*



### NOTEBOOKY A TABLETY

*odolné, windows, android, IP65, ...*



### INFORMAČNÍ KIOSKY

*interiérové, venkovní, ...*



### MEDICÍNSKÁ TECHNIKA

*počítače, tablety, LCD, klávesnice, ...*



### SOFTWAREVÁ ŘEŠENÍ

*pro výrobu, zaměstnance, kiosky, ...*



### PŘEJÍT DO E-SHOPU

[eshop.autocont-ipc.cz](http://eshop.autocont-ipc.cz)



### DOPRAVA ZDARMA

Doprava zdarma v ČR a SR při objednávce nad 10 000 Kč bez DPH nebo nad 400 EUR.



### PRODLOUŽENÁ ZÁRUKA

Záruka 2 roky na vyráběné počítače s možností jejího prodloužení až na 5 let.



### ODMĚNA ZA VĚRNOST

Pravidelní zákazníci u nás nakupují za nižší ceny. Výše slevy se odvíjí od realizovaného obrátu.



### SERVIS ON-SITE A IN-TIME

K projektovým dodávkám nabízíme rozšířenou podporu a servis s garancí výměny zařízení do 48 hodin.