

### USB I/O Expander Features

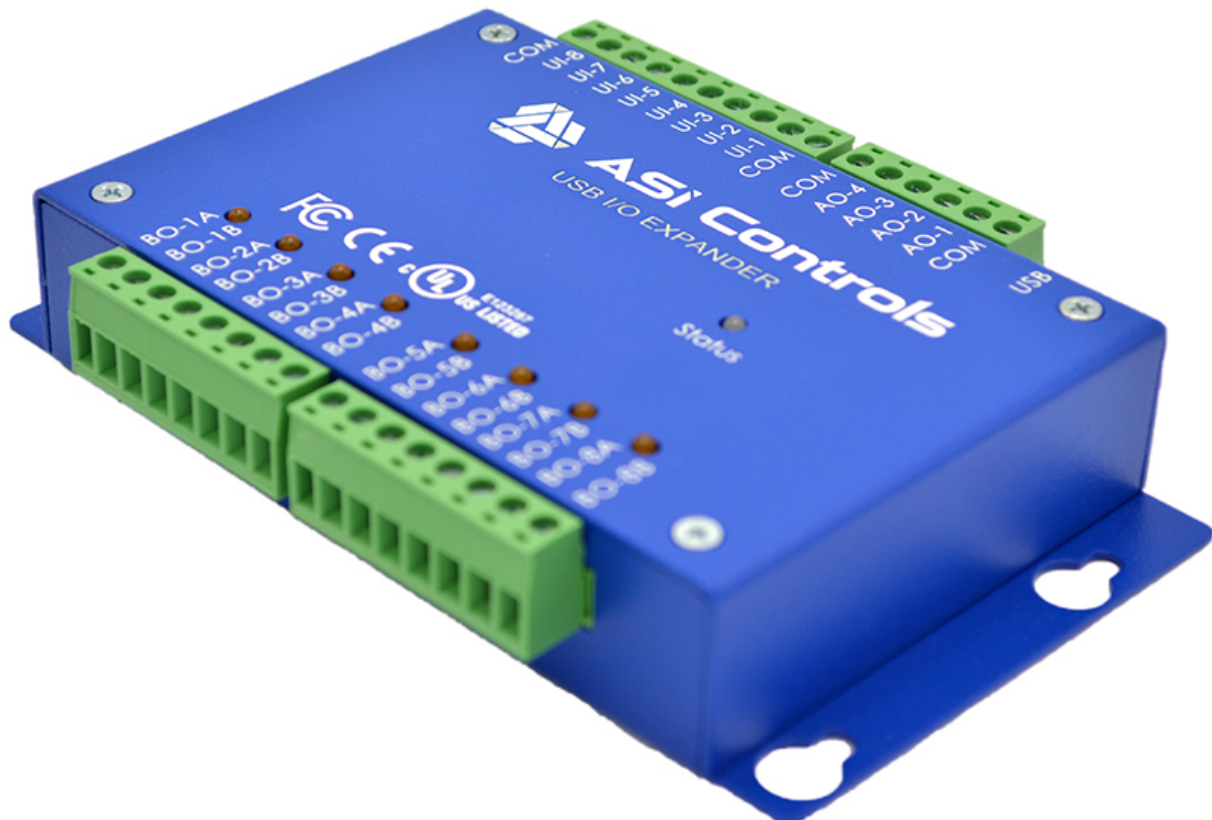
- 8 universal 0-10Vdc inputs
- 8 pilot duty relay outputs
- 4 analog 0-10Vdc outputs
- USB powered via ASIC/3
- Plug and play connectivity
- Compatible with ASIC/3 products
- Easy to add a second module with a powered USB hub
- Low cost
- Compact, low profile design

The USB I/O Expander provides low-cost, easy to implement I/O expansion for the ASIC/3 programmable controller family. Simply connect the I/O Expander to the ASIC/3 USB host port and immediately start using the additional 8 analog inputs, 8 relay outputs, and 4 analog outputs.

The Expander is powered solely from the host controller's USB port. A standard USB 2.0, A-Male to Mini-B cable carries both communications and power. This allows easy installation -- saving wiring and installation costs. Whenever more I/O is required, up to 2 additional Expanders can be added with the use of a standard USB powered hub.

The Expander features 8 universal 0-10Vdc, 12-bit inputs, 8 relay outputs with complete electrical isolation, and 4 0-10Vdc, 8-bit, 20mA Max Analog Outputs

By connecting the Expander to an ASIC/3 controller, all of the new inputs and outputs are automatically added to the host controller's I/O count. This new I/O looks identical to the host's native I/O and is configured the same way with Visual Expert.



**Specifications**
**Control Power - USB Port Powered, 500mA Max**
**Binary Outputs: 8**

Type: 8 Form A Relays  
 Voltage rating: 24 Vac, 1 Amp, MOV protected  
 Maximum combined current not to exceed 3A  
 (PWM Not Supported)

**Analog Outputs: 4**

Rating: 0-10 Vdc, 20 mA at 10Vdc  
 Protection: TVS, 10 V, 600 W peak

**Inputs: 8**

Type: Universal Analog/Binary  
 Range: 0 to 10 Vdc, 12-bit, 0.1% full scale

**ASI Communications**

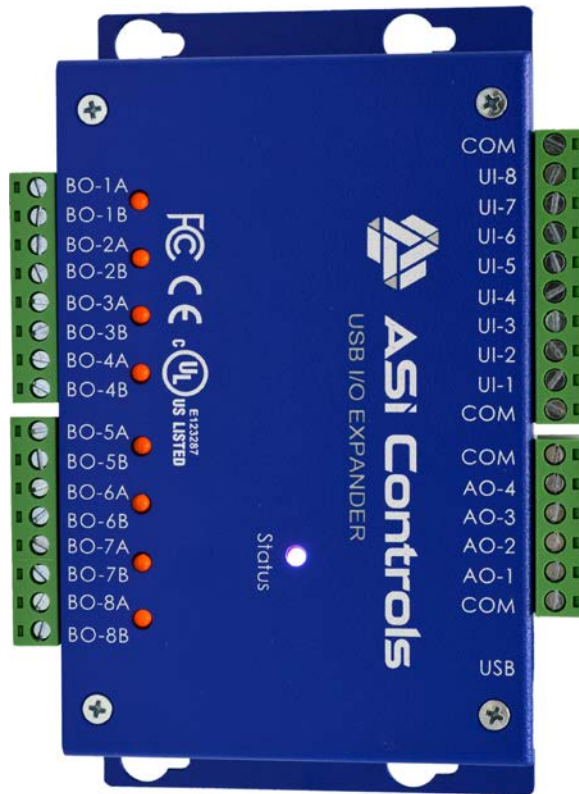
Proprietary ASI Protocol Via USB Port  
 Protection: ESD Transient Suppressor Device

**Connections**

I/O: Screw Terminal  
 Communications: USB Host Port

**Other**

Indication: 8 Red Output LEDs, One Red/Blue Power/Status LED  
 Dimensions: 4.0" x 5.75" x 1.0"  
 102 mm x 146 mm x 26 mm  
 Weight: 0.7 lb (0.32 kg)  
 Operating Range: 45° C maximum ( +113° F)  
 10 to 95% RH non-condensing



How to order	Order Number
USB I/O-Expander	ASIC/3-USBIO

Software & Documentation	Order Number
ASI Expert Configuration Software	ASI Expert
USB I/O Expander User Manual	USBIO Manual



UL listed



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