

1.4.6 USB-2051



The USB-2051 is a full-speed USB device with 16 digital input channels module. The USB-2051 offers 16 channels for digital input, catering for both dry and wet contact, with an effective distance for dry contact of up to 500 meters. All channels not only feature photocouple isolation, but can also be used as 16-bit counters. The USB-2051 has 16 LED indicators that can be used to monitor the status of the digital input channels. 4 kV ESD protection and 3750 VDC intra-module isolation are standard.

Digital Input		
Channels		16
Type	Dry Contact	Source
	Wet Contact	Sink/Source
On Voltage Level	Dry Contact	Close to GND
	Wet Contact	+10 VDC ~ +50 VDC
Off Voltage Level	Dry Contact	Open
	Wet Contact	+4 VDC Max.
Effective Distance For Dry Contact		500 meters Max.
Input Impedance		10 K Ω
Overvoltage Protection		70 VDC
Counter	Max. Count	65535 (16-bit)
	Max. Input Frequency	500 Hz
	Min. Pulse Width	1 ms
Power		
Power Consumption		1.2 W max.
Mechanical		
Dimensions (W×L×H)		72 mm x 123 mm x 35 mm