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# 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 KΩ |
| Overvoltage Protection | | 70 VDC |
| Counter | Max. Count | 65535 (16-bit) |
| | Max. Input Frequency | 500 Hz |
| | Min. Pulse Width | 1 ms |
| Power | | |
| Power Consumption | | 1.03 W max. |
| Mechanical | | |
| Dimensions ( W×L×H ) | | 72 mm x 123 mm x 35 mm |