DATA SHEET

STU-S1001C-I

Serial RS-232, RS-422/485 to USB Converter with Optical Isolation

Port Configuration

- 1*RS-232/422/485 + 1*USB

Operating Temperature

- 0~70°C

Key Features

- Auto detect RS-232/422/485
- Support 3KV DC to DC optical isolation protection in serial port.
- Surge protection and over current protection in RS-422/485 port
- ESD 15KV protection in serial port
- DIP switch ON/OFF to compensate signal attenuation in long distance connection at RS-422/485

STU-S1001C-I –the combo serial port (RS-232/422/485) to USB converter with 0 ~70°C operating temperature, provide a flexible interface for industrial automation.

STU-S1001C-I serial to USB converter has one serial combo port and one USB port for harsh industrial environments. The combo port with RS-232/RS-422/RS-485 supports a flexible interface to connect to the equipment. Having wider operating temperature ranging from 0 to 70°C is better for lite-industrial application. The STU-S1001C-I with a compact size which supports wall mounting installation can set up the serial to Ethernet network more easily.

The converter including 3KV optical isolation, 15KV ESD protection and high surge protection can provide high reliable serial communication network.

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Hardware Specifications

Port Configuration	1*RS-232/RS-422/485 + 1*USB

RS-232

Connector	DB-9
Signals	Rx , Tx , GND , RTS , CTS , DTR , DSR , DCD

RS-422/485

Connector	Terminal block (4-pin)
Signals	RS-422: TX+, TX-, RX+, RX- RS-485: D+, D-
Surge Protection	Supported
Built in Terminal	Supported

Serial Communication

Auto Detection	RS232/RS-422/485 Signal
Baud rate	RS-232 300bps~921.6kbps RS-422/485 300bps~230.4kbps
ESD protection	15KV
Surge protection	RS-422/485
Over Current Protection	RS-422/485
Optical Isolation	3KV

USB

Compliant	1.0/1.1/2.0
Connector	Type B

Management

Driver Support	Windows -98SE/ 2000/ XP/ 2003/ VISTA/ WIN-7 Mac Osx/Os9 , Linux 2.4/2.6
Over current protection	Supported
Power Input voltage	USB BUS Power 5V DC
Power consumption	3Watt (Max)
Operating Temperature	0°C~70°C
Operating Humidity	5 to 95% RH (non-condensing)
Mounting	Wall-Mounting
Storage Temperature	-20°C~85°C
Storage Humidity	5 to 95% RH (non-condensing)
Housing Protection	Plastic
Dimensions (WxHxD mm)	88x27x91
Weight	94g
EMI	CE
	FCC Part15 class A

Ordering Information

Part Number	Description
STU-S1001C-I	1*RS-232/RS-422/485 + 1*USB serial to USB converter with optical isolation (0°C~70°C)