



Introduction

The tM-7561 is a cost-effective module for transferring serial data via USB. It allows you to connect your serial devices to systems that use a USB interface. Connecting the tM-7561 to a PC, you get one RS-485 port. Like the I-7520, the tM-7561 contains "Self Tuner" chip auto-tunes the Baud Rate and data format to the RS-485 network. The tM-7561 module derives its power from the USB port and doesn't need any power adapter. It also features a high-speed 115.2 kbps transmission rate, and supports various O.S. independent RS-485 port.

Software

Driver
Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/Linux

Specifications

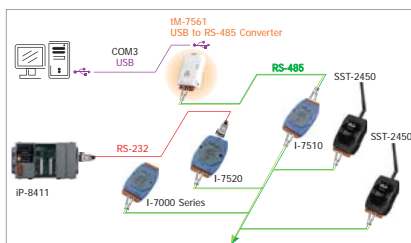
Interface	
USB	Compatibility: USB 1.1 and 2.0 standards
RS-485	Data+, Data-
2-wire cabling	Belden 8941 (2P twisted-pair cable), if different cables are used, the transmission distance may change
RS-485 Transfer Distance	Max. 1,200 m at 9.6 kbps; Max. 400 m at 115.2 kbps
Maximum Supported RS-485 Devices	256 (Without repeater)
Self-Tuner Asic Inside	Yes
Speed	300 ~ 115200 bps
Connection	RS-485 Removable 7-Pin Terminal Block
USB	Type B
Cable Included	CA-USB18 (1.8 m Cable) x 1
LED Indicators	
Power/Communication	Yes
Power	
Input Voltage Range	+5 V _{DC} from USB
Power Consumption	0.4 W
Mechanical	
Casing	Plastic
Flammability	Fire Retardant Materials (UL94-V0 Level)
Dimensions (W x H x D)	52 mm x 87 mm x 27 mm
Installation	DIN-Rail
Environment	
Operating Temperature	-25 °C ~ +75 °C
Storage Temperature	-30 °C ~ +75 °C
Humidity	10 ~ 90% RH, non-condensing

Features

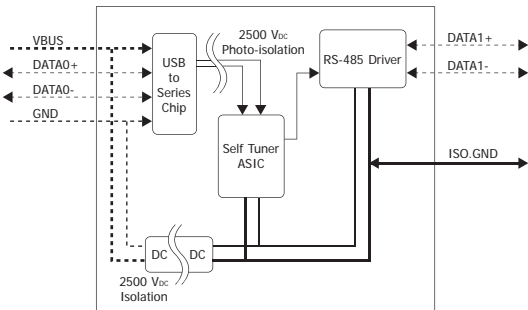
- Fully Compliant with the USB 1.1/2.0 (High Speed)
- No External Power Supply required
- Baud Rate, 300 ~ 115200 bps
- 2500 V_{DC} Isolation Protection on the RS-485 side
- Operating Temperatures, -25 °C ~ +75 °C
- Driver Supports Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/Linux
- DIN-Rail



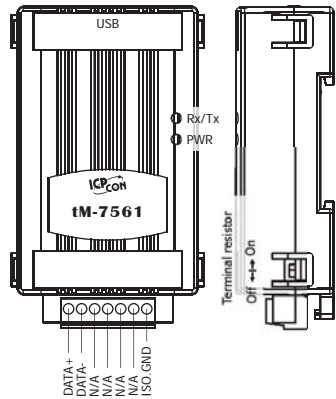
Applications



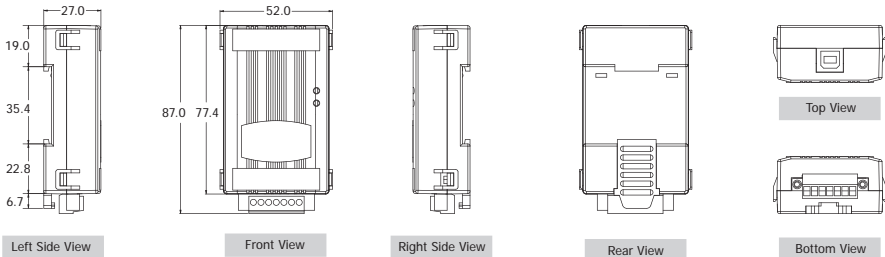
Internal I/O Structure



Pin Assignments



Dimensions (Unit: mm)



Ordering Information

tM-7561 CR	USB to Isolated RS-485 Converter (RoHS)
Include Cable	CA-USB18 (1.8 m Cable) x 1

Accessories

USB-2560 CR	Industrial 4-port USB 2.0 Hub
CA-USB18	USB Type A to Type B Cable