

tM-7561**USB to Isolated RS-485 Converter****Features ▶▶▶**

- Fully Compliant with the USB 1.1/2.0 (High Speed)
- Power and data flow indicator for troubleshooting
- 2500 V_{DC} Isolation Protection on the RS-485 side
- Driver Supports Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/8 (32/64-bit)/Linux
- Tiny packaging fits on your DIN-Rail Mounting
- No External Power Supply required
- Automatic RS-485 Direction Control
- Operating Temperatures, -25 °C ~ +75 °C
- Low power consumption
- Cost-effective Converter

Introduction

The tM-7561 is a cost-effective USB to RS-485 converter. Connecting the tM-7561 to a PC, you get one RS-485 port that allows you to access RS-485 devices through the USB interface. 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 external power adapter.

Comparison Table of Converter

Model name	tM-7561	I-7561
Serial Interface	Only RS-485	RS-232/422/485
Dimensions (W x H x D)	52 mm x 87 mm x 27 mm	72 mm x 115 mm x 35 mm
Remarks	Cost-effective, Entry-level	Entry-level

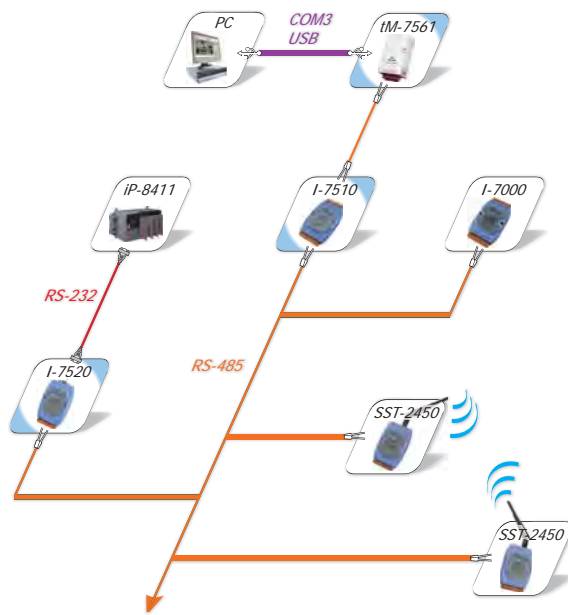
Software

Driver	Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/8 (32/64-bit)/Linux
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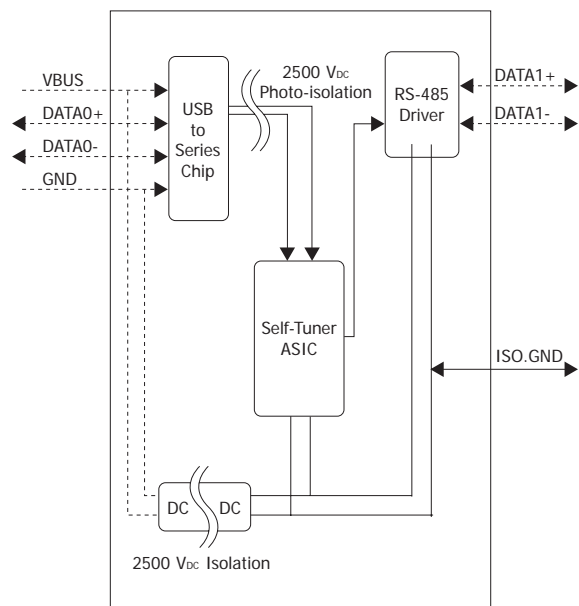
System Specifications

Interface		
USB		Compatibility: USB 1.1 and 2.0 standards
RS-485		Data+, Data-
RS-485 Transmission Distance		Max. 1,200 m at 9.6 kbps; Max. 400 m at 115.2 kbps (Belden 9841 2P twisted-pair cable, if different cables are used, the transmission distance may change)
Self-Tuner Asic Inside		Yes
Speed		300 ~ 115200 bps
Connector	RS-485	Removable 7-Pin Terminal Block
	USB	Type B
Cable Included		CA-USB18 (1.8 m Cable) x 1
LED Indicators		
Power		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 Mounting
Environment		
Operating Temperature		-25 °C ~ +75 °C
Storage Temperature		-30 °C ~ +75 °C
Humidity		10 ~ 90% RH, non-condensing

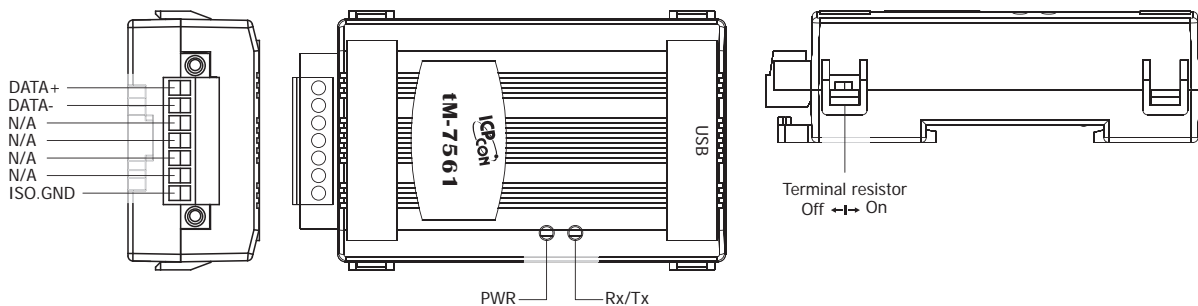
Applications



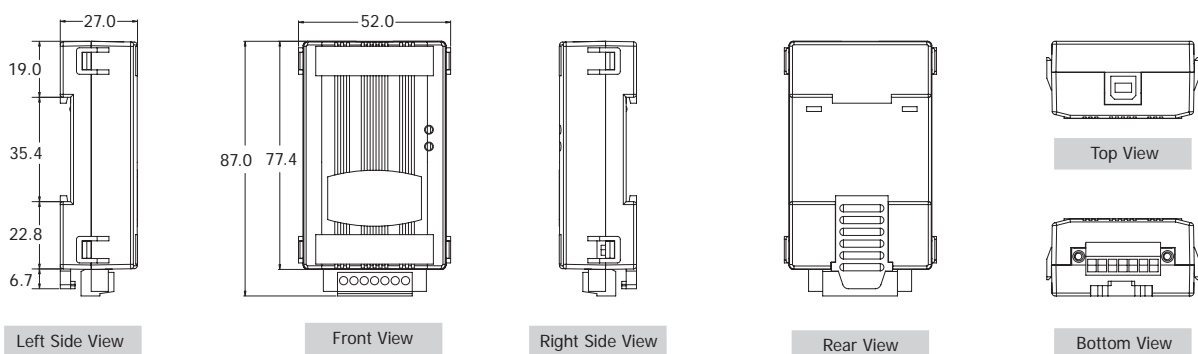
Internal I/O Structure



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