



Product ID: WiConvert
Category: Accessories

WiConvert WiConvert is a bidirectional protocol converter that supports two operating modes. It can convert Modbus RTU over RS-485/RS-232 to SDI-12, or SDI-12 to Modbus RTU.

TECHNICAL SPECIFICATIONS

CPU	32-bit microcontroller @ 8 MHz with 32 KB RAM and 256 KB Flash
Memory	32 KB EEPROM for configuration storage
Watchdog timer (WDT)	Internal watchdog enabled
Ports	1 × SDI-12 port, 1 × RS-485/RS-232 port
Configuration	Via WiLink4 cable and web-based configuration application

POWER SUPPLY

Supply voltage	12V
Maximum consumption	50 mA (active), 30 µA (sleep)

CHARACTERISTICS

Modbus RTU (RS-485/RS-232) to SDI-12 interface adapter	Modbus RTU (RS-485/RS-232) to SDI-12 interface adapter capable of handling up to 90 Modbus values per SDI-12 address, with a maximum of 16 supported addresses.
SDI-12 to Modbus RTU (RS-485/RS-232) interface adapter	SDI-12 to Modbus RTU (RS-485/RS-232) interface adapter capable of managing up to 16 SDI-12 addresses with 90 values per address in 180 Modbus registers (2880 Modbus registers in total).

ENVIRONMENTAL CONDITIONS		MECHANICAL SPECIFICATIONS	
Operating temperature	-20 a 65°C	Dimensions	65 × 50 × 35 mm (W × H × D)
Humidity	5% ~ 95% (non-condensing)	Enclosure material	Polycarbonate
ORDER INFORMATION		Mounting type	Surface mounting
Minimum order quantity	1	IP rating	IP67
Order reference	WiConvert	CERTIFICATES AND DECLARATIONS	
		Standards	EN 61000-6-2:2019 EN 61000-6-3:2007 + A1:2011
			Product compliant with RoHS (2011/65/EU)