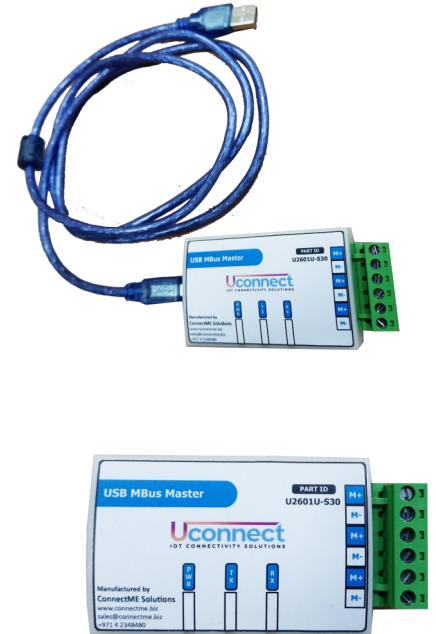


INTRODUCTION

This USB to M-Bus master consists of serial communication module, power module, modem module, indication module and protection module. The power supply module takes power directly from the USB port without additional power input; the modem module is self-developed, with strong load capacity, good reception performance and high communication rate; the indication module indicates the power status of the master and the data sending and receiving status, as well as the short-circuit and overload of the bus; the protection module protects the USB port of the computer from damage in the event of accidental over-voltage, over-current, and back-up of the M-Bus current, etc., and protects the master in the event of touching short-circuit, overload, and static electricity on the bus. The protection guard module protects the USB port of the computer from being damaged in the event of overvoltage, overcurrent, M-Bus current backflow and other accidental situations, and protects the master from being damaged in the event of bus touch short-circuit, overload and electrostatic shock. This USB to M-Bus master consumes less than 25mA and is compact in size, easy to carry and use.



TECHNICAL SPECIFICATION

SPECIFICATION	DESCRIPTION
POWER SUPPLY	USB Powered (5V, 500mA)
PROTOCOL STANDARD	conforms to European EN1434-3 standard
MAXIMUM SLAVES	Up to 20 Slaves
CONSUMPTION	no-load state, current consumption $\leq 25\text{mA}$
BAUDRATE	Up to 115200bps
MBUS VOLTAGE (TRANSMIT)	24V
DIMENSION	85mm x 45mm x 26mm
PROTECTIONS	USB Over Voltage / Over Current
	MBus Short circuit / Over Load
INDICATIONS	Power ON (PWR)
	Transmit Telegram (TX)
	Receive Telegram (RX)
	Overload / Short Circuit Buzzer