UConnect M-Bus Converters/Gateways
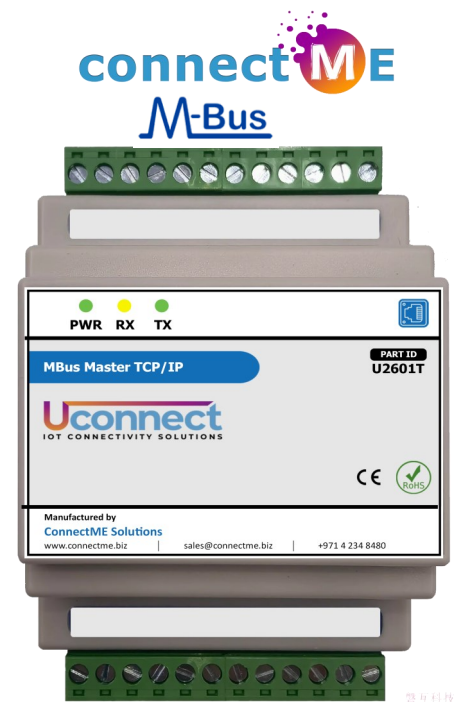
RS232 / RS485 / TCP-IP

connect**ME**
M-Bus

OVERVIEW

M-Bus Level Converter is dedicated to convert M-Bus signal to RS232/RS485/TCP-IP and vice versa. Up to 250 M-Bus devices can be connected to M-Bus Level Converter.

FEATURES

- MAX number of M-Bus devices: 250

- RS485 transmission direction: automatic

- M-Bus short connection protection: yes

- Power supply: 90-250V ~, 50-60Hz

- Mounting type: on DIN rail

PWR RX TX

MBus Master TCP/IP

PART ID
U2601T

Uconnect
IOT CONNECTIVITY SOLUTIONS

CE RoHS

Manufactured by
ConnectME Solutions
www.connectme.biz   sales@connectme.biz   +971 4 234 8480

Uconnect : Made in UAE

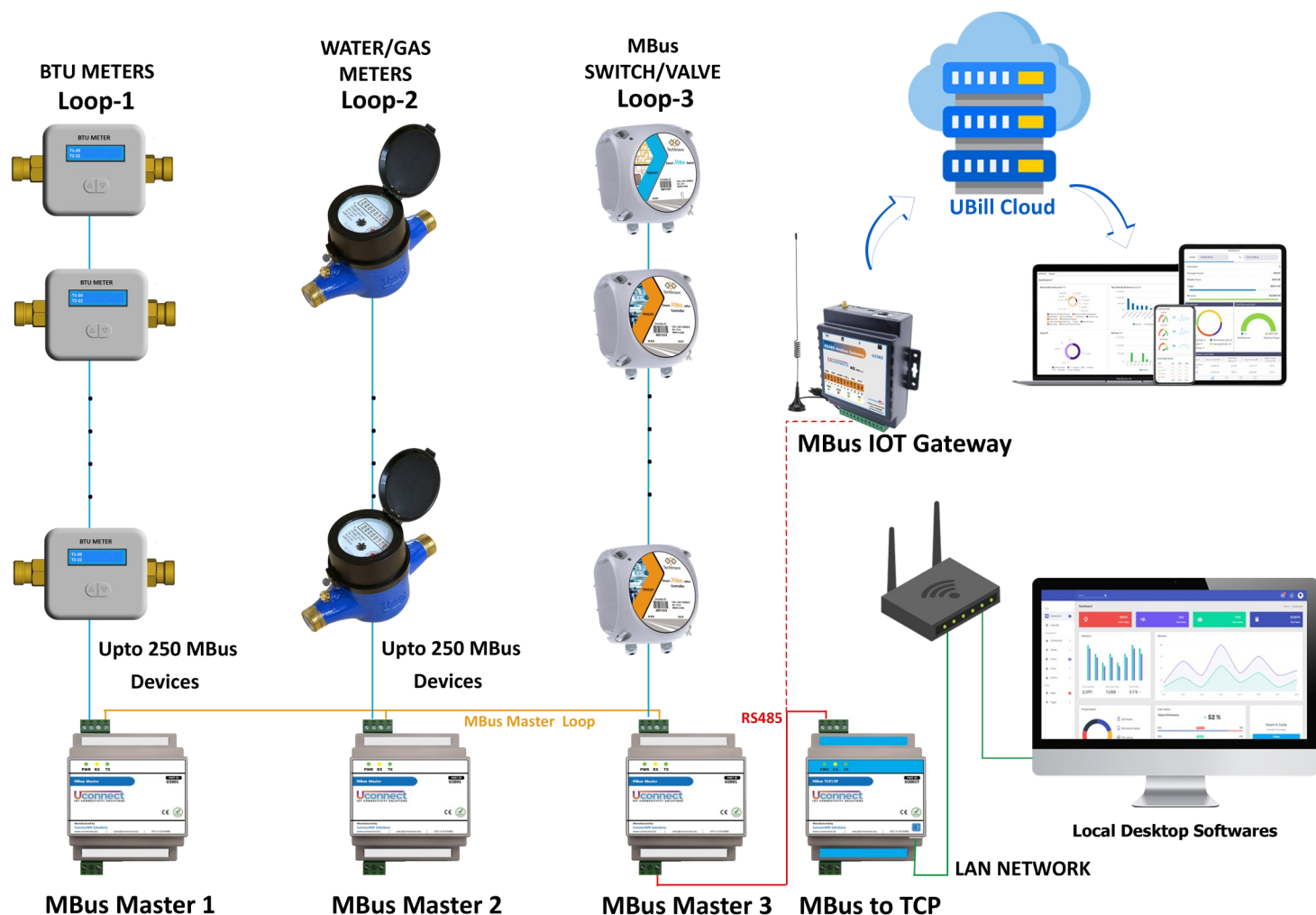| Description	M-Bus Master (M-Bus - RS232/RS485/TCP-IP)
RS232	up to 15 m, speed up to 9600 bauds
RS485	automatic choose of direction, max 32 transceivers, speed up to 9600 bauds
TCP/IP	IP/Port programmable
M-Bus	up to 250 devices
General	
Power supply	90-250V~, 50-60Hz
Over-voltage protection	>1000V
Power consumption	300mA MAX
M-Bus line power	mark 36-40V, space 24-27V
Adjustment to M-Bus loads	Automatic
M-Bus short circuit event current	≥500mA
M-Bus short circuit reaction time	Configurable, 1-4s.
Recover after short connection	Configurable, 10-60s.
Physical characteristics	
Dimensions	53x90x60 mm
Weight	300 g
Mounting type	on DIN rail
Protection type	IP20
Climate conditions	
Operating temperature	-20 to +50°C
Storage temperature	-50 to +70°C
Humidity range	5 – 95%, non-condensing
LED Indication	
PWR/ALM	Power ON / Overload or Offline
RXD	M-Bus data transfer
TXD	M-Bus data receive
Other Features	
Warranty	2 Years

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UConnect M-Bus Converters/Gateways

BTU METERS
Loop-1

WATER/GAS METERS
Loop-2

MBus SWITCH/VALVE
Loop-3

UBill Cloud

MBus IOT Gateway

Upto 250 MBus Devices

Upto 250 MBus Devices

MBus Master Loop

RS485

MBus Master 1

MBus Master 2

MBus Master 3

MBus to TCP

LAN NETWORK

Local Desktop Softwares

Order Code	Details
U2601-S125	MBus Master Support 125 slaves
U2601-S250	MBus Master Support 250 slaves
U2601T-TCP	MBus TCP Adapter
U2301 MB	MBUS IOT Gateway

Technical Data	
External Power supply	DC+24V/2.5 A
Load capacity	1.5mA x Number of Slaves
Consumption single slave:	1.5 mA
M-Bus line Voltage	34-40V
Adjustment to M-Bus loads	Automatic
Transmission speed M-Bus	1200 ~ 9600bps
Power loss Control	Automatic MBus line power-off function can be set to minimize power loss
Short-circuit Protection	Short-circuit, over-current protection and warning LED indicator