

UConnect M-Bus Level Convertors

RS232 / RS485



OVERVIEW

U2601 M-Bus Level Converter is an interface between M-Bus meter networks and Billing /AMR systems. U2601 comes with standard RS485 M-Bus port. Adding U2601T-TCP makes the U2601 Level converter to TCP enabled. Supports 125 / 250 slave devices connected to M-Bus Level Converter.

FEATURES

- ◆ MAX number of M-Bus devices: 125/ 250
- ◆ RS485 transmission direction: automatic
- ◆ M-Bus short connection protection: yes
- ◆ Power supply: 90-250V ~, 50-60Hz (U2701P—Add on power supply)

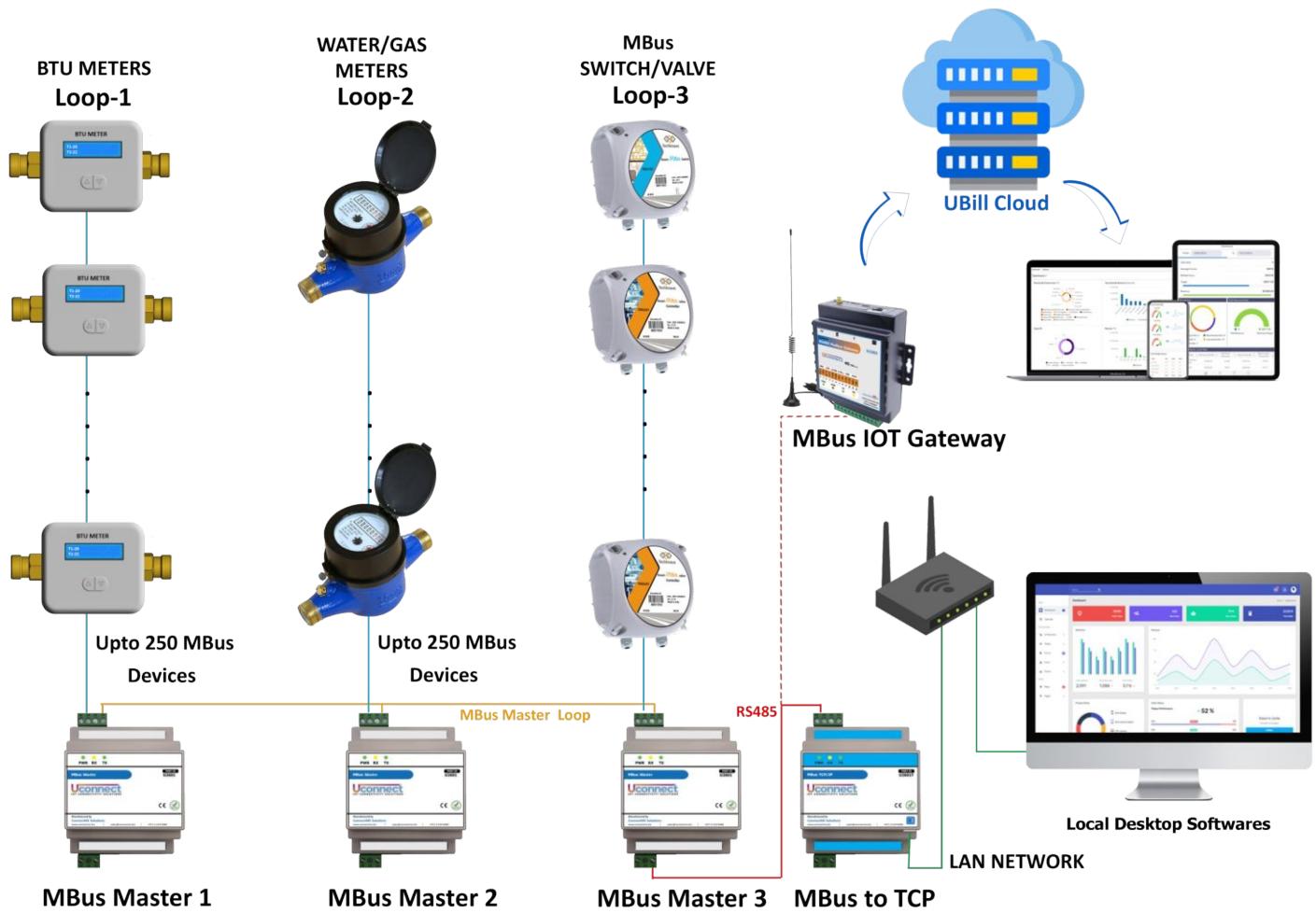


Uconnect : Made in UAE

Description	M-Bus Master (M-Bus - RS232/RS485)
RS232	up to 15 m, speed up to 9600 bauds
RS485	automatic choose of direction, max 32 transceivers, speed up to 9600 bauds
M-Bus	up to 250 devices
General	
Power supply	90-250V~, 50-60Hz (Additional DIN Rail PS U2701P 24V DC /2.5A delivered with each unit)
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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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 (U2701 P) delivered along with each U2601 Mbus master
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 M-Bus line power-off function can be set to minimize power loss
Short-circuit Protection	Short-circuit, over-current protection and warning LED indicator