

UOTEK TTL to RS-485(3.3V) module



UT-M3485



1. Input voltage: DC 3.15 ~ 3.45 V
2. Input baud rate: 115200bps maximum
3. Static current of module: $\leq 50\text{mA}$
4. Transmission current of module: $\leq 80\text{mA}$
5. Isolation voltage: 1000VDC
6. Temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
7. At least 32 nodes can be connected to the same network
8. Single +3.3V power supply



1. Overview

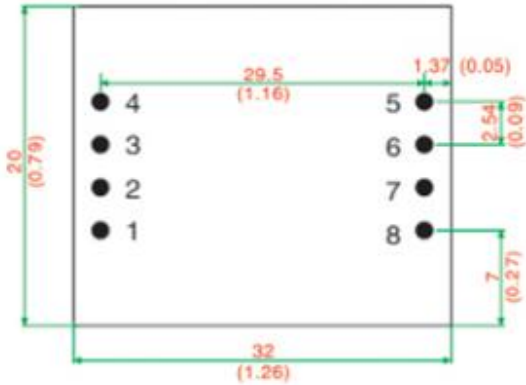
UT-M3485 is a TTL to RS-485(3.3V) module, integrates power isolation, electrical isolation, RS-485 interface chip with isolation and bus protection functions. Embedded user-friendly devices make the product have the function of connecting to RS-485 network. This series of modules adopts potting process, which has good isolation characteristics, and the isolation voltage is as high as 1000V DC. It can be used in industrial communication, coal mining industry, power monitoring, building automation, petrochemical industry, communication between PLC and frequency converter.

2. Specification

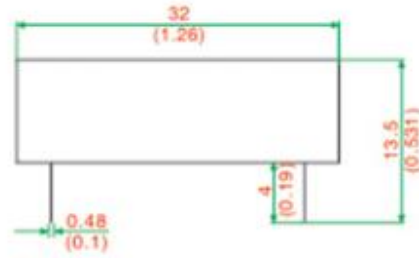
Item	UT-M3485
Product Name	UOTEK TTL to RS-485(3.3V) module
Hardware Specification	
Main Performance	
Isolation voltage	DC 3.15 ~ 3.45 V
Input baud rate	85VDC
Static current of module	$\leq 50\text{mA}$
Transmission current of module	$\leq 80\text{mA}$
Isolation voltage	1000VDC
transmission rate	300bps -115200bps
RS-485 signal	485+, 485-
TTL signals	RXD, TXD, GND
surge protection	RS-485 bus 600W
Working humidity	5-95% without condensation
Overall dimensions	32×20×9.5mm±0.5mm
Operating environment	-25°C to 70°C and relative humidity of 5% to 95%
Temperature range	-40°C to $+85^{\circ}\text{C}$

3.Dimension

Unit : $\frac{\text{mm} \pm 0.5}{(\text{inch}) \pm 0.02}$



Front view



Side view

5. Appearance



6. Ordering

Model	Description
UT-M3485	UOTEK TTL to RS-485(3.3V) module