TLC 485

RS-232 to RS-485 Converter User Manual

【Summarize】

TLC485 change TD and RD RS-232 lines to RS-485 signals. All are port powered and feature Automatic Send Data Control. SDC automatically enables the RS-485 driver when data is present on the RS-232 side. Control of the driver is automatic at rates up to 115.2 kbps. . It is used widely in the field of electricity, industrial automatic control, IC card billing system. It is a high quality ,economical data interface conversion product.

【Packing checklist】

While using this converter for the first time, please check whether the packaging is intact, the random attachment is complete at first.

- Converter TLC 485   1 set
- User manual   1 book
- Guarantee card   1 pcs

【Feature】

- Convert RS-232 data transmit (TXD) and data receive (RXD) signal into balance half duplex RS-485 signals.
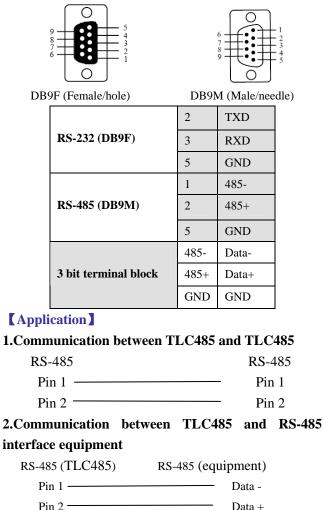- Powered from RS-232 handshake lines — no power supply needed!
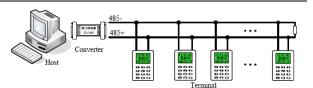- Point to multiple point
- Automatic Send Data Control - no software drivers needed!

【PIN define】

TLC485 converter RS-485 interface adopt DB9M (DB9F to 3 bit terminal block), RS-232 interface adopt DB9F (Female), no power Input.

DB9F (Female/hole)   DB9M (Male/needle)

RS-232 (DB9F)	2	TXD
	3	RXD
	5	GND
RS-485 (DB9M)	1	485-
	2	485+
	5	GND
3 bit terminal block	485-	Data-
	485+	Data+
	GND	GND

【Application】

1.Communication between TLC485 and TLC485

RS-485   RS-485

Pin 1 ——————————————— Pin 1

Pin 2 ——————————————— Pin 2

2.Communication between TLC485 and RS-485 interface equipment

RS-485 (TLC485)   RS-485 (equipment)

Pin 1 ——————————————— Data -

Pin 2 ——————————————— Data +

【Application Field】

Point to point communication, industrial gathering and disperse distribution system, all kinds of remote control and measurement system, POS, banking, insurance, stocking, canteen meal selling system, transport billing system, all kinds of PLC, digital power meter, gas meter.

【Specification】

Performance parameter

Interface:EIA RS-232C, RS-485 standard

Transfer rate: 0-115200bps, auto test serial signal rate examine signal speed automatically, zero delay time,

Transfer distance: RS-485 port 1200m (9600bps), RS-232 port no less than 15m

600W surge protection;1,500W ESD protection

POWER

No power needed, powered from RS-232 port

Environment index

Working environment: -20℃ to 60℃

Relative humidity 5% to 95%

Appearance guideline

L×W×H:90mm×33mm×16.5mm

Shell: Plastic

Color: White

Weight:40g