**TTL-485-5P**

**Features**

1. Port Powered: no external power is necessary
2. Data Direction, auto-turnaround, no flow control is necessary
3. Plug-and-Play (Device is hot-pluggable)
4. Built-in surge protection, static protection and circuit protection

**Introduction**

The Jonedata TTL-485-5P is a bi-directional port powered RS-485 to 5V TTL converter in a 9 pin format. It can convert any standard full duplex RS-485 port to a 5V TTL signal and vice versa. The unit is powered from the RS-485 data lines. It also supports data direction auto-turnaround. Therefore, no external power or flow control is required. The data direction auto-turnaround automatically enables the TTL driver when data is present on the RS-485 side making the device plug-and-play, requiring no software drivers. The TTL-485-5P has a DB9 male connector on the RS485 side or 5-way terminal block and either a DB9 male connector or 5-way terminal block on the TTL side. Separate terminal block is included in package.

**Specification**

- Standards: EIA RS-485 standard
- RS-485 signal: D+, D-, GND
- TTL signal: IN, OUT, GND
- Baud rate: 300~115200bps
- Transfer distance: 5V TTL side: 3m
  - RS-485 side: 1.2Km
- Connectors: RS-485 Side: DB9 Male or 5 Way Terminal Block
  - 5V TTL Side: DB9 Male or 5 Way Terminal Block
- Port protect: 600W surge protection, 15KV ESD protection

**Power**

- Power: 5V external power

**Environment**

- Operating temperature: -10°C to 60°C
- Storage temperature: -40°C to 85°C
- Humidity: 5% to 95%(no condensation)

**Appearance**

- Dimensions: 62.8mm×33.8mm×17.8mm
- 99.8mm×34.1mm×17.6mm (with terminal block)
- Weight: 24g (with terminal block: 50g)

**Warranty**: 5 years

**Approvals**: FCC, CE, RoHS approvals

**Packing List**

1. TTL-485-5P ×1
2. Separate terminal block(DB9F to 5 bit) ×2
3. User manual ×1