



## TD-1216 16-Port RS-485 Hub

### Description

TD-1216 16-Port RS-485 Hub is a professional design for star-shaped wire layout in complex electromagnetic environment, RS-485 bus, large-scale systems. The RS-485 bi-direction transparent hub transmission, can divide one-way RS-232 bus or RS-485 bus into 16-way RS-485 bus, or put 16-way RS-485 signals all together to one-way RS-232 bus or RS-485 bus. And each port has optical isolation, short circuit, open circuit protection. In the system failure time, the built-in controller can cut off a timely faulty port, to ensure that every port of RS-485 Hub can work independently. every port can connect up to 32 nodes, extend the 1200 meters RS-485 signal. it is good choice to change the simple structure of RS-485 bus.

### Feature

- Private input RS-232 and RS-485 2 port, 16 output RS-485 port.
- Baud rate 300~115200bps auto adaptation, eliminating the trouble of manually set the baud rate.
- Each RS-485 port has lightning protection and surge protection function.
- Each RS-485 port work independently.
- Support two kinds of external power supply.
- More than 5 TD-1216 can be cascaded.
- Each port can be accessed by 32 standard RS-485 devices(nodes).
- Support zero-delay auto-conversion transmit and receive.
- Unique auto-detection circuit.
- Supports hot-swap function, plug and play.
- Able to adapt to the user of any application software.
- can be used as 16 units RS-232 to RS-485 converters.

### Specification

- Standard: Support EIA RS-485, RS-232C standard.
- Baud rate: 300~115200bps auto adaptation.
- Transmission distance: extend 1200m each on RS-485 side, 5m on RS-232 side.
- Data Flow Control: RS-232 port neednot RTS/CTS hardware flow control, automatic flow control
- Loading device: 32,64,128 nodes.
- Transmission medium: UTP-Unshielded Twisted Pair or RS-485 Wire
- Work methods: asynchronous, point to point, 2 wire half-duplex.
- Isolation Voltage: 3.5KV
- Dimension: 120mm x 85mm x 26mm.
- Environment: -20°C-60°C working temperature, 5%-95% relative humidity.