

RS232-RS422/485 Interface Converter



GENERAL DESCRIPTION

RS-232 interface is a standard communication port in PC and other control system. And it is a very popular communication interface in control system, building access control system (AC9100), office automation system, time record system (TR510) barcode system, pos system.....etc .However,RS-232 has many limitations in transmission speed and distance ,So it can not be flexibly used in high speed and long distance control system. Now we support RS422/485 inter-face converter for RS-232 communication system. You don't need to change any specification of your system.

SPECIFICATIONS

RS-232-RS422/485 INTELLIGENT INTERFACE CONVERTER

- RS-232 high data rate up to .120k baud under load.
- RS-232 interface connector: D-SUB 25 pins female connector
- Dimension 69mm*53mm*22mm
- Environmental 0 to 50 degree C,0 to 90% RH
- Power source 9V/200mA adapter or through RS-232 interface pin #9 (+12V)
- RS-422/485 mode selectable
- support up to 31 units
- Programmable control TX or RX by RTS/CTS (RS-485)
- RS422/485 up to 100 k bps under 4000 feet (AWG #24, #22, #18.....individually shield multiple pair cable)

INPUT/OUTPUT TERMINAL AND SWITCH DESCRIPTION°

• RS-232 D-SUB 25 PINS CONFIGURATION:

| PIN | DESCRIPTION |
|-----|--|
| 2 | TXD |
| 3 | RXD |
| 4 | RTS-short with #5 to control signal (485 only) |
| 5 | CTS-short with #4 |
| 6 | DSR-short with #20 |
| 7 | GND-signal ground |
| 9 | DC power input (DC9-12V) |
| 20 | DTR-short with #6 |

• SWITCH SETTING TO RS-422

| PIN | DESCRIPTION |
|-----|-------------|
| 1 | TX + |
| 2 | TX - |
| 3 | RX + |
| 4 | RX - |

• SWITCH SETTING TO RS-485°

| PIN | DESCRIPTION |
|-----|-------------|
| 1 | TX/RX + |
| 2 | TX/RX - |
| 3 | NOP |
| 4 | NOP |

