

Description

ATC-101 can convert the data from RS-232C to duplex RS-422 signal. It doesn't need additional power supply and can get the power directly from PC side. By its "Automatic Send Data Line Control" function, you don't need to use RTS, just plug it and no need to install any hardware or software and work well under RS-422 communication.

Specification

1. Port: RS-232C and RS-422
2. Max. Baud Rate:

| Distance | Baud Rate |
|----------|-----------|
| 300M | 115.2Kbps |
| 1200M | 19.2Kbps |
| 2400M | 9600bps |
| 3KM | 2400bps |

3. Transmission distance: 0 – 3 KM
4. Size: 88mm x 33mm x 17mm
5. Operation Temp.: -25°C - 70°C
6. Operation Humidity: 5% - 95%

PIN Description

RS-232C

| DB9 Female(PIN) | RS-232C(DCE) |
|-----------------|--------------|
| 1 | DCD |
| 2 | TD |
| 3 | RD |
| 4 | DTR |
| 5 | GND |
| 6 | DSR |
| 7 | RTS |
| 8 | CTS |

RS-422

| DB9 Male(PIN) | RS-422 |
|---------------|--------|
| 1 | T- |
| 2 | T+ |
| 3 | R+ |
| 4 | R- |

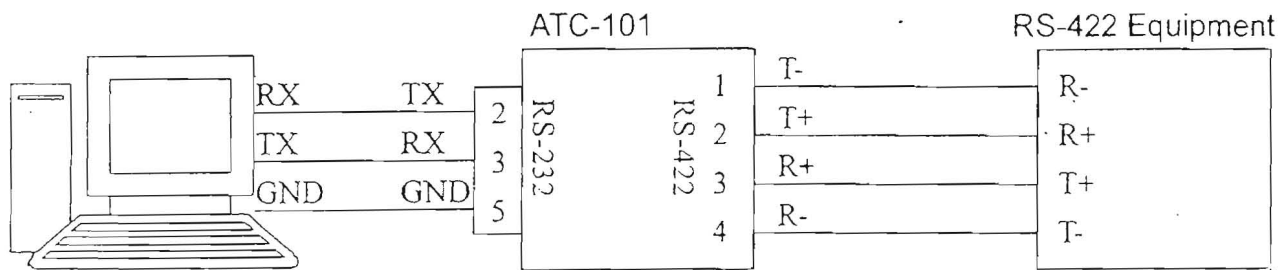
Installation:

Power: it could get power from RS-232(DB9 TXD, DTR, RTS), but the voltage must higher than 5V, or put the 5-12V to fourth (-) and fifth (+) pins of RS-232 site.

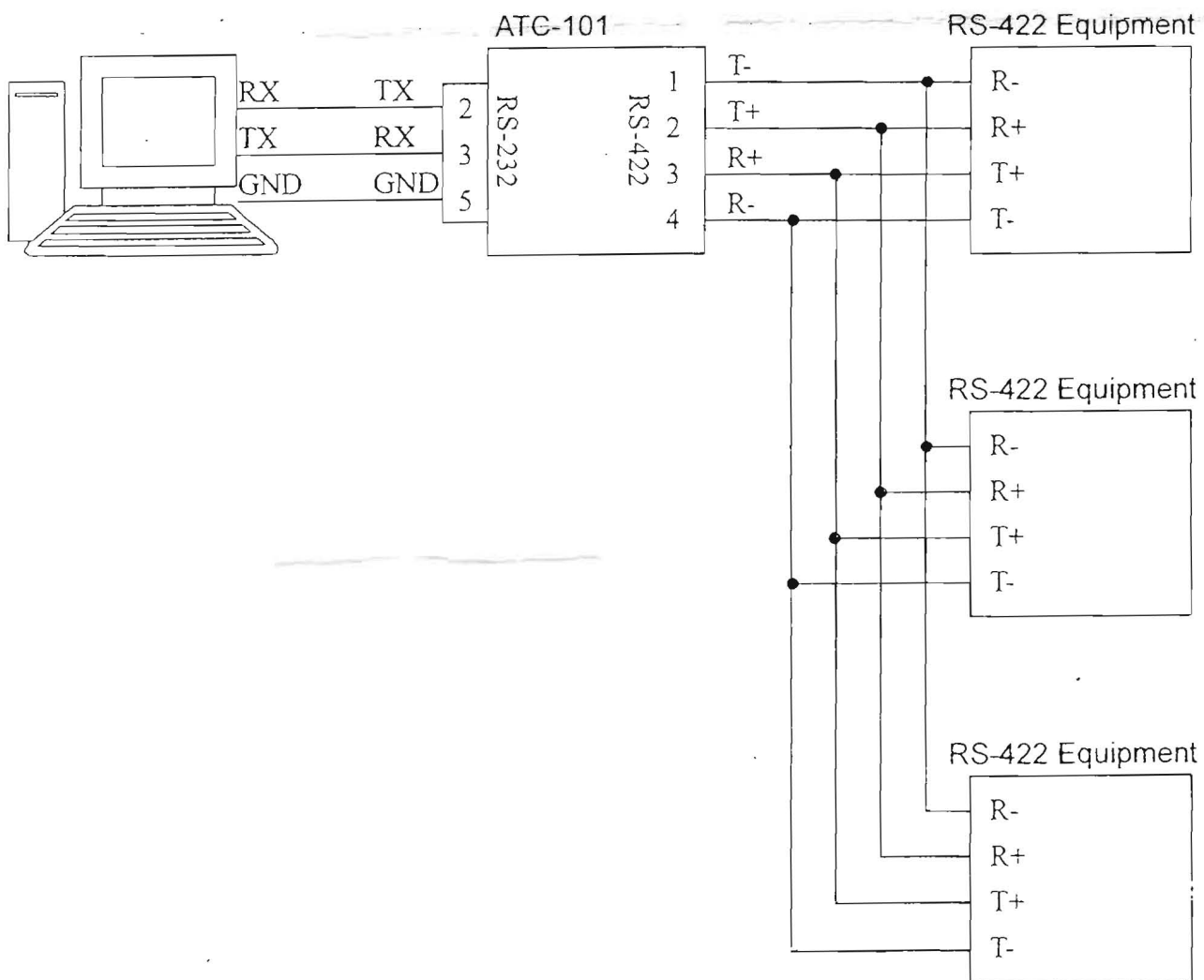
Max. No. for RS-422 device:

It can be connected with 32 (MAX.) RS-422 devices and need to add the terminal resistance (120ohm, 1/4W) to prevent the noise

Point to Point :



Point to multi-Point



Trouble shooting :

1. Communication Error
 - A. Check RS-232 port
 - B. Check RS-422 port
 - C. Check the power supply must between +5~+12V
2. Data lose
 - A. Please check the baud rate to be the same in both side

