

## Port Powered RS-232 to TTL ATC-102

### Product Features

- DB9-S/P space saving connector
- RS-232C data interface fully compatible with PC
- DB9 connector and terminal are optional to TTL interface
- Automatic direction control of transmitting data (TXD), zero-latency design
- Working mode: asynchronous communication
- High efficiency serial port electricity stealing technology, need no external power supply, real three line (TD, RD, GND) mode communication
- Communication speed: 0-115.2kbps
- Transmission distance: 0-10 [meter@24AWG](mailto:meter@24AWG)

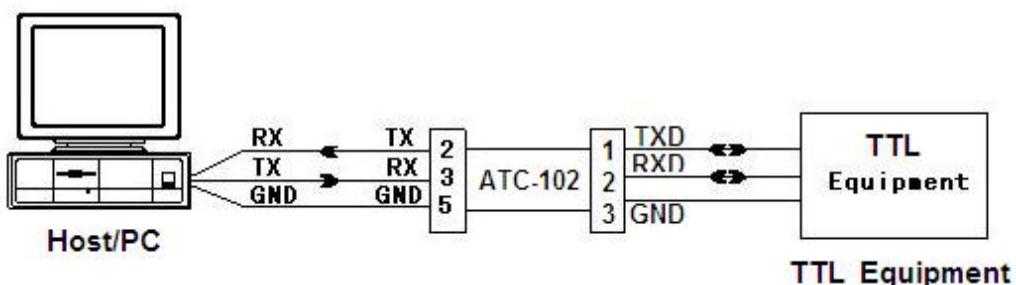


### Product Description

ATC - 102 interface converter can send the signal RS-232C serial port data (TD) and receive data (RD) into TTL/CMOS compatible electrical level. It is the best choice of a remote Control device or point to multipoint communication bus. Transformation electrical level of 0 ~ 5 v. It can be directly from the Data within the RS-232 port transmitter data (TD), request to Send (RTS) or Data terminal ready (DTR) to obtain power. It also have the Automatic Send Data Line Control function. When to Send and receive Data, do not need the RTS control. So the power supply from serial port and Automatic flow Control makes you don't have to reset the hardware or install software. It is the best choice for MCU and TTL interface equipment close control.

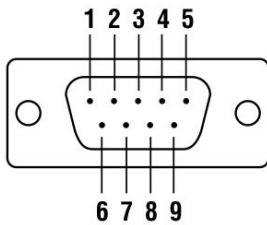
### Application

- Point to point, point to multi-point communication
- Industrial distribution system, industrial control automation
- Road traffic control automation
- Closed circuit monitoring
- Security protection system
- Intelligent card, check on work attendance gate safety system



## Pin Assignment

RS-232 DB-9(Male)



PIN	RS-232
1/4/6/9	-
2	RXD (in)
3	TXD (out)
5	GND
7	CTS (out)
8	RTS (in)

TTL 6-pin Terminal block

1	2	3	4	5	6
485+ (T+)	485- (T-)	R+	R-	VCC (3.3~5VDC)	GND

## Order Information

ATC-102 Port Powered RS-232 to TTL Interface Converter(6-bit terminal)(3.3V,5V)

## Specifications

Communication Parameters	
Interface	Compatible with the EIA/TIA RS-232-C and TTL/CMOS standard
RS-232	TD, RD, GND
Working mode	Point to point or point to multipoint, asynchronous communication
Direction control	Automatic Send Data Line Control, automatic identification and control data transmission direction
Baud rate	300-115.2kbps, automatic detection rate of serial port signals
Transmission distance	TTL side 10 meters (19.2 kbps)
Connector	RS-232 DB-9 male
	TTL DB9 male or 6-pin Terminal block
Power Supply Parameters	
Power supply	Without external power supply. Equipment from RS-232 port TXD, RTS, DTR signal for power supply.
Power consumption	Static power consumption within 10 mA, dynamic average power consumption of 40 mA
Physical Characteristics	
Housing	Plastic shell
Weight	0.1Kg
Dimensions	88mmx33mmx17mm
Environmental Limits	
Operating Temperature	-20 ~ 70°C (-4 ~ 158°F)
Storage Temperature	-40 ~ 85°C (-40 ~ 176°F)
Ambient Relative Humidity	5% to 95%(non-condensing)
Standards and Certifications	
RoHS, CE, FCC	

## Contact us

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