

# Model:UT-3212

**5-Ports RS-232 extender(Use in pairs)**

## Datasheet



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## 1. Overview

UT-3212 series RS-232 extender, which can simultaneously extend the communication distance of two RS-232 devices with asynchronous communication to a maximum of 1.2 km. Due to the lightning protection technology, it completely protects both ends of the RS-232 equipment from interference damage by surges, which obviously improves the reliability and stability of the communication system, while the communication distance is greatly improved by changing the original RS-232 interface single-ended transmission method and using twisted pair transmission. In the field of asynchronous RS-232 point-to-point pass using dedicated own lines, all can use UT-3212 to meet the needs of interface protection or extended distance. UT-3212 series products are 4-port and 6-port. Among them, UT-3212 4-port products can transmit a pair of data signals, and RTS, CTS traffic control.

UT-3212 is compact in size and does not require high wire requirements, and can be used with general network cable or 8-core twisted pair cable preferably with shielded wire. It can be plugged directly into the RS-232 interface of the device and is very easy to use.

UT-3212 series products have been widely used in point-to-point RS-232 communication, multi-user terminal and host connection, RS-232 remote control system, program-controlled switch billing terminal, and satellite receiver.

## 2. Main functions and feature

- Support RS-232 5-Ports serial extender (use in pairs)

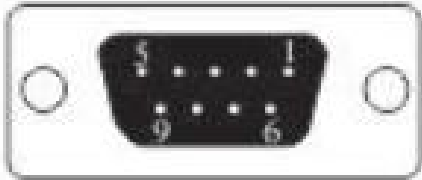
## 3. Technical Parameters

- Interface: One end conforms to ELA RS-232C and CCITT V.24 asynchronous protocol, the other end uses standard RJ-45 interface
- Connector: RS-232 side uses DB9 female connector, other side uses RJ-45 interface connector
- Transmission mode: Asynchronous, full or half duplex
- Rate: 300-115200bps
- Power supply: 9-24VDC 1A
- Dimension: 79mm\*52mm\*21mm
- Operating environment: -25 ~ 70°C, relative humidity: 5 ~ 95%

## 4. Interface Definition

### 1. RS-232 female pin definition

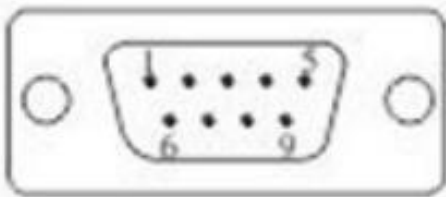
DB9 female



DB9 female(PIN)	Local interface signal
1	-
2	TXD
3	RXD
4	-
5	GND
6	-
7	CTS
8	RTS
9	-

### 2. RS-232 male pin definition

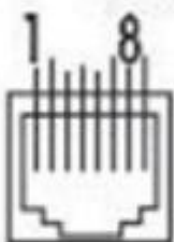
DB9 male



DB9 male(PIN)	Remote interface signal
1	-
2	RXD
3	TXD
4	-
5	GND
6	-
7	RTS
8	CTS
9	-

### 3. RJ-45 interface pin definition

RJ-45 Receptacle

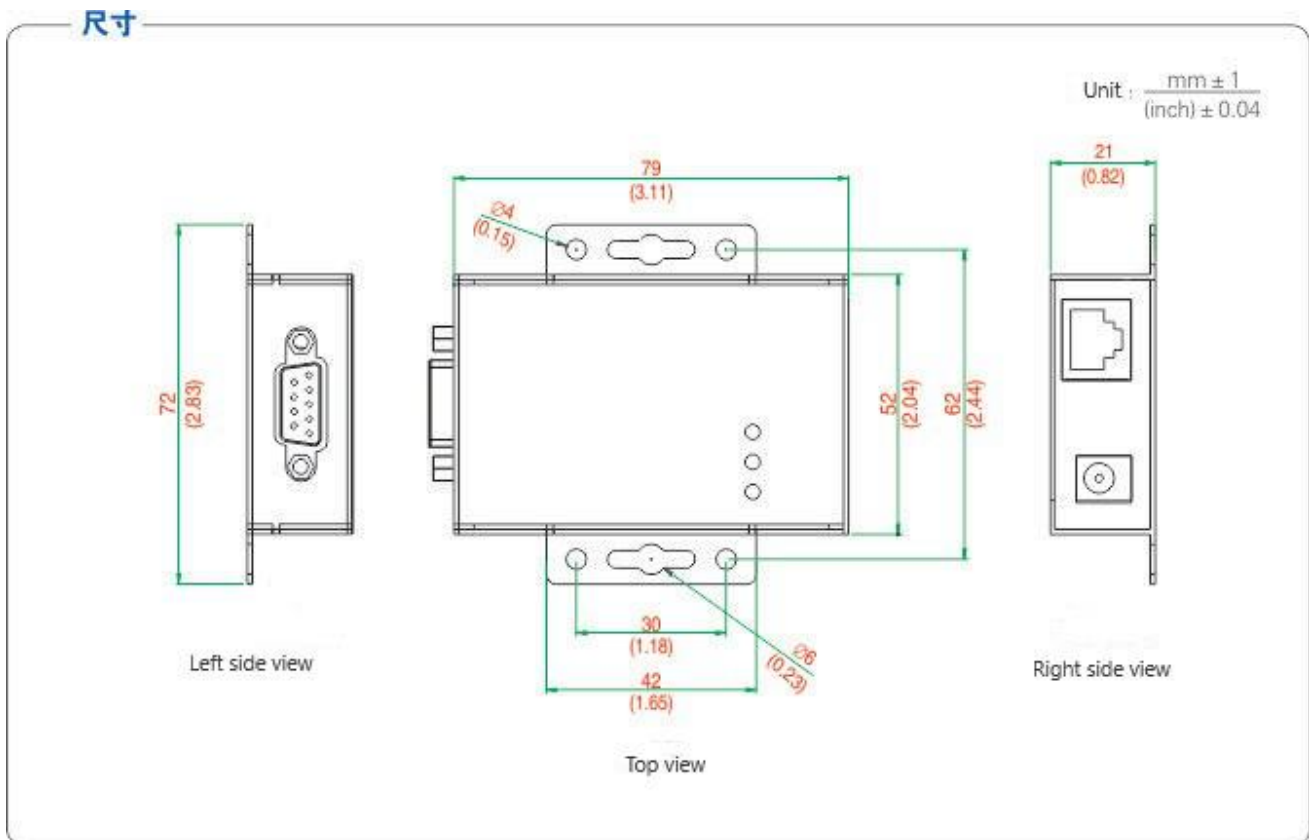


RJ-45	Interface signal
1	Power VCC
2	Power GND
3	Communication Data 1
4	Communication Data 2
5	Communication Data 3
6	Communication Data 4
7	Communication Data 5
8	Communication Data 6

## 5. Product View (Appearance)



## 6. Structure Dimensions



## 7. Ordering

Model	Signal/Interface		Protection level		Baud rate	Operating Environment			Power	
	RS-232	RS-232				Temperature		Humidity		
	DB9 female	DB9 male	RS232 input	RS232 output		0~70°C	-40~85°C	5~95%	plug and play	External power
UT-3212	√	√	±15KV ESD	±15KV ESD	300bps115.2kbps	√		√		9-24VDC