

# Model:UT-2212/3212

**RS-232 Long Distance Extender(7 bits)**

**(two sets using together)**

## Datasheet



### **UTEK TECHNOLOGY (SHENZHEN) CO., LTD.**

Add: Floor 8-10, Building 7, Skyworth Innovation Valley, No. 8, Tangtou No.1 Road, Shiyan Street, Shiyan Old Street, Bao 'an District, Shenzhen

Tel: +86-755-81202008

Fax: +86-755-27886083

Http: [www.uotek.com](http://www.uotek.com)

## 1. Overview

UT-2212/3212 series RS-232 long distance extender allows to extend the communication distance between two asynchronous communication RS-232 equipments to 1.2km. The lightning technology fully protect RS-232 equipments from surge interference, this improve the reliability and stability of the communication. It can be used in the field of own line asynchronous RS-232 point to point communication.

## 2. Major Functions & Features

- Supports RS-232 Long Distance Extender

## 3. Technical Parameters

- Interface: RS-232C EIA & CCITT V.24 asynchronous protocols
- Connector: DB9 for RS-232 side, RJ45 for communication line
- Transmission mode: asynchronous, full-duplex or half-duplex
- Baud rate: 300-115200bps
- Power: 9-24VDC 1A
- Dimension: 79mm×52mm×21mm
- Operating temperature: -25~70°C, relative humidity 5% to 95%

## 4. Pin Assignment

UT-2212/3212 RS-232 Female pin assignment

| DB9 Female | UT-2212 Local Signal | UT-3212 Local Signal |
|------------|----------------------|----------------------|
| 1          | N/C                  | N/C                  |
| 2          | SOUT (TXD)           | SOUT (TXD)           |
| 3          | SIN (RXD)            | SIN (RXD)            |
| 4          | DSR                  | N/C                  |
| 5          | GND                  | GND                  |
| 6          | DTR                  | N/C                  |
| 7          | CTS                  | CTS                  |
| 8          | RTS                  | RTS                  |
| 9          | N/C                  | N/C                  |

UT-2212/3212 RS-232 Male Assignment

| DB9 Male | UT-2212 Remote Signal | UT-3212 Remote Signal |
|----------|-----------------------|-----------------------|
| 1        | N/C                   | N/C                   |
| 2        | SIN (RXD)             | SIN (RXD)             |
| 3        | SOUT (TXD)            | SOUT (TXD)            |

|   |     |     |
|---|-----|-----|
| 4 | DTR | N/C |
| 5 | GND | GND |
| 6 | DSR | N/C |
| 7 | RTS | RTS |
| 8 | CTS | CTS |
| 9 | N/C | N/C |

UT-2212/3212 RJ-45 Pin Assignment

| RJ-45 | UT-2212 Signal  | UT-3212 Signal  |
|-------|-----------------|-----------------|
| 1     | Communication 1 | VCC             |
| 2     | Communication 2 | GND             |
| 3     | Communication 3 | Communication 1 |
| 4     | Communication 4 | Communication 2 |
| 5     | Communication 5 | Communication 3 |
| 6     | Communication 6 | Communication 4 |
| 7     | Communication 7 | Communication 5 |
| 8     | Communication 8 | Communication 6 |

## 5. Product View (Appearance)



## 6. Structure Dimensions

