



# UTS4009PF

4 ports USB-to-RS-232 Serial HUB



## Introduction

SUNIX UTS series transform your Universal Serial Bus (USB) port into asynchronous RS-232 serial ports for communication with serial devices. The UTS4009PF Serial HUB is compatible with both USB 2.0 and 1.1 specifications and provides serial ports with transfer speed up to 115.2Kbps. It provides a quick, simple and cost-effective way to bring the advantages of data accessibility and mobile solution for kinds of commercial and industrial automation applications.

## Features

- Expands 4 (four) independent RS-232 serial ports through USB interface.
- Supports Universal Serial Bus Plug-n-Play and Hot-Swapping feature.
- No IRQ, DMA, I/O address resource required.
- Supports USB1.1 full speed 12Mbps and USB2.0 compatible.
- Each serial port provides transmission rate up to 115.2Kbps.
- Built-in  $\pm 15KV$  ESD protection for all serial signals.
- Compact size and low power consumption.
- Each serial port owns Tx/Rx signal LED to indicate communication status.
- Supports both USB bus power and additional external power adapter modes.
- Certified by CE, FCC, RoHS, and Microsoft WQHL approval.
- Support Microsoft Windows and Linux.

## Specifications

### Serial Communication

<b>Interface</b>	RS-232
<b>Controller</b>	Prolific PL2303GC
<b>BUS</b>	Universal Serial Bus (USB)
<b>No. of Port</b>	4 port
<b>IRQ &amp; IO</b>	Assigned by System
<b>FIFO</b>	1024-byte bi-directional data FIFO buffers Receive 768 byte Buffer Hardware Transmit 256 byte Buffer Hardware
<b>Signal</b>	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
<b>Baud rate</b>	50~115.2Kbps
<b>Data bit</b>	5, 6, 7, 8
<b>Stop bit</b>	1, 1.5, 2
<b>Parity</b>	even, odd, none, mark, space
<b>Flow Control</b>	RTS/CTS and/or DSR/DTR, XON/XOFF
<b>Protection</b>	±15KV ESD protection for each signal Human Body Model (HBM) ±15KV IEC61000-4-2 Air Gap Discharge ±8KV IEC61000-4-2 Contact Discharge
<b>Connector</b>	DB9 Male with Screw nuts

### Power

<b>Power Source</b>	USB Bus Power +5VDC (±5%)
<b>External Power</b>	DC-Jack for 5VDC Power Adapter (Optional)

### Driver Support

<b>Microsoft Windows</b>	7 / 8.x / 10 (X86/X64)
<b>Microsoft Server</b>	2008R2 / 2012/2016(X64) /2019(X64)
<b>Linux</b>	Linux 2.6.x or later
<b>MAC</b>	MAC OS X

### Environment

<b>Operation Temperature</b>	0 to 60°C
<b>Operation Humidity</b>	5 to 95% RH
<b>Storage Temperature</b>	-20 to 85°C

### Standards and Certifications

<b>EMC</b>	CE, FCC, VCCI, BSMI
<b>Green</b>	RoHS, WEEE, REACH

### Physical Characteristics

<b>Molding Dimension</b>	70 x 180 x 26 mm
<b>Cable Length</b>	1500mm

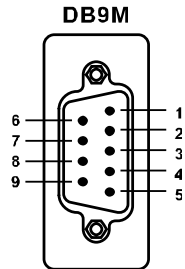
## Dimension



## Appearance



## Pin Assignment



PIN	DB9M
DCD	1
RxD	2
TxD	3
DTR	4
GND	5
DSR	6
RTS	7
CTS	8
RI	9

## Package

- UTS4009PF - 4 ports USB-to-RS-232 Serial HUB
- USB Type A plug to mini B plug Cable 150 cm
- Quick Installation Guide

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