

UTS4109P

4 ports USB-to-RS-422/485 ComHUB



Introduction

SUNIX UTS series transform your Universal Serial Bus (USB) port into asynchronous RS-422/485 serial ports for communication with serial devices. The UTS4109P ComHUB is compatible with both USB 2.0 and 1.1 specifications and provides serial ports with transfer speed up to 921.6Kbps. 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-422/485 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 921.6Kbps.
- Built-in ± 15 KV 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

Interface	RS-422/485
Controller	Prolific PL2303GC
BUS	Universal Serial Bus (USB)
No. of Port	4 ports
IRQ & IO	Assigned by System
FIFO	1024-byte bi-directional data FIFO buffers Receive 768 byte Buffer Hardware Transmit 256 byte Buffer Hardware
Signal	RS-422: TxD+, TxD-, RxD+, RxD-, GND RS-485: Data+, Data-, GND
Baud rate	50 ~ 921.6 Kbps
Stop bit	1, 1.5, 2
Parity	even, odd, none, mark, space
Flow Control	XON/XOFF
Protection	±15KV ESD protection for each signal Human Body Model (HBM) ±15KV IEC61000-4-2 Air Gap Discharge ±8KV IEC61000-4-2 Contact Discharge
Connector	DB9 Male with Screw nuts

Power

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

Driver Support

Microsoft Windows	7 / 8.x / 10 (X86/X64) / 11
Microsoft Server	2008/2008R2 / 2012/2012R2/ 2016(X64) / 2019(X64)
Linux	Linux 2.6.x or later
MAC	MAC OS X

Environment

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

Standards and Certifications

EMC	CE, FCC, VCCI, BSMI
Green	RoHS, WEEE, REACH

Physical Characteristics

Molding Dimension	70 x 180 x 26 mm
Cable Length	1500mm

Dimension

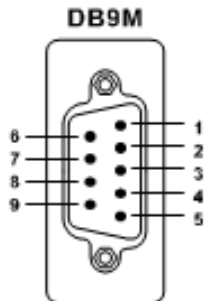


Unit: mm

Appearance



Pin Assignment



PIN	RS422
TXD-	1
TXD+	2
RXD+	3
RXD-	4
GND	5

PIN	RS-485
Data-	1
Data+	2
GND	5

Package

- UTS4109P - 4 ports USB-to-RS-422/485 ComHUB, Cable 150 cm
- Quick Installation Guide
- DB9 Female to 5-pin Terminal Block Adapter



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