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UTS1009DF

1 port USB-to-RS-232 Adapter



Introduction

SUNIX ComHub UTS series transform your Universal Serial Bus (USB) port into asynchronous RS-232 serial ports for communication with serial devices. The UTS1009DF adapter is compatible with both USB 2.0 and 1.1 specifications and provides serial port 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 one independent RS-232 serial port through USB interface.
- Supports Universal Serial Bus Plug-n-Play and Hot-Swapping feature.
- No IRQ, DMA, I/O address resource required.
- Supports USB2.0 and USB1.1 compatible.
- Serial port provides transmission rate up to 115.2Kbps.
- Built-in ± 15 KV ESD protection for all serial signals.
- Compact Size and low power consumption.
- Supports USB bus power without additional external power.
- Certified by CE, FCC, RoHS, and Microsoft WHQL approval.
- Support Microsoft Windows and Linux.

Specifications

Serial Communication

Interface	RS-232
Controller	FTDI FT232RL
BUS	Universal Serial Bus (USB)
No. of Port	1 port
IRQ & IO	Assigned by System
FIFO	Receive 128 byte Buffer Hardware Transmit 256 byte Buffer Hardware
Signal	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
Baud rate	50~115.2Kbps
Data bit	5, 6, 7, 8
Stop bit	1, 1.5, 2
Parity	even, odd, none, mark, space
Flow Control	None, Xon/Xoff, RTS/CTS
Protection	±15KV ESD protection for each signal Human Body Model (HBM) ±15KV IEC1000-4-2 Air Gap Discharge ±8KV IEC1000-4-2 Contact Discharge
Connector	DB9 Male with Screw Nut

Power

Power Source	USB Bus Power +5VDC (±5%)
Standby Power Consumption	<100mA / 5VDC
Working Power Consumption	<150mA / 5VDC

Driver Support

Microsoft Windows	XP / 7 / 8.x / 10 (X86/X64)
Microsoft Embedded	CE4.2 / 5.2 / 6.0 / 7.0 / 2013
Microsoft Server	2008R2 / 2012R2 (X64)
Linux	Linux 2.6.x or later

Environment

Operation Temperature	0 to 60°C (32 to 140°F)
Operation Humidity	5 to 95% RH
Storage Temperature	-20 to 70°C (-4 to 158°F)

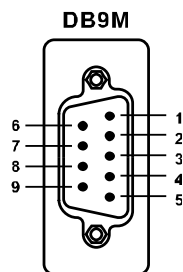
Standards and Certifications

EMC	EUR: CE, EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3 US: FCC Part 15 Class B TAIWAN: BSMI: CNS13438 JAPAN: VCCI
Green	RoHS, CRoHS, WEEE

Physical Characteristics

Molding Dimension	15 x 45 x 33 mm
Cable Length	350mm

Pin Assignment



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

Package

- UTS1009DF - 1 port USB-to-RS-232 Adapter, Cable 35 cm (1.14 ft)
- Quick Installation Guide

Product Family

- UTS1009B 1 port USB-to-RS-232 Adapter, Screw Bolt Type, Cable 150 cm (5.0 ft)
- UTS1009D 1 port USB-to-RS-232 Adapter, Screw Bolt Type, Cable 120 cm (4.0 ft)
- UTS1009DF 1 port USB-to-RS-232 Adapter, Screw Nut Type, Cable 35 cm (1.14 ft)
- UTS2009B 1 port USB-to-RS-232 Adapter, Screw Bolt Type, Cable 150 cm (5.0 ft)

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