



## UTS1019P1

USB Type-C to RS-232 Adapter  
w/Cable 350 mm (1.15ft)



### Introduction

The SUNIX UTS1019 is a high-performance communication adapter engineered to bridge modern USB Type-C interfaces with a wide array of RS-232 serial devices. Leveraging a sophisticated internal architecture, the UTS1019 delivers high-speed, asynchronous data transmission that ensures peak stability across diverse operational environments.

### Features

- High-Speed Expansion: Adds one independent RS-232 port via USB Type-C.
- Universal USB Support: Full compliant with USB (3.0/ 2.0/ 1.1) interface.
- Advanced Reliability: Built-in  $\pm 8\text{KV}$  ESD protection for all serial signals.
- Zero-Config Integration: Supports Plug-n-Play and Hot-Swapping; no IRQ, DMA, or I/O resources required.
- Precision Performance: Supports baud rates up to 115.2Kbps with hardware buffers (768B RX / 256B TX).
- Efficient Design: Bus-powered via USB; compact molding with low power consumption
- Certified Quality: CE, FCC, RoHS, and Microsoft WHQL certified.

## Specifications

### USB Interface

<b>Connector</b>	1x USB Type-C
<b>Compliance</b>	USB 1.1 (Full Speed 12Mbps), 2.0, 3.0, 3.1 compatible
<b>Features</b>	Plug-n-Play, Hot-Swapping, Bus-Powered

### Serial Communication

<b>Interface</b>	1x RS-232 Port
<b>Connector</b>	DB-9 Male
<b>Controller</b>	Prolific PL2303GC
<b>Baud Rate</b>	50 bps to 115.2 Kbps
<b>Data Bits</b>	5, 6, 7, 8
<b>Stop Bits</b>	1, 1.5, 2
<b>Parity</b>	even, odd, none, mark, space
<b>FIFO</b>	768-byte RX / 256-byte TX Hardware Buffer
<b>Signals</b>	TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND
<b>Protection</b>	±8KV ESD Contact Discharge

### Power

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

### Software & OS Support

<b>Windows</b>	11, 10, 8, 7 (Microsoft Certified WHQL Drivers)
<b>Windows Server</b>	2008R2 / 2012 / 2016 / 2019 / 2022
<b>Other Systems</b>	Windows IoT, Mac OS X, Linux OS 3.18 and above (Support Linux 5.5 in-box driver and above), Android 3.2 and above

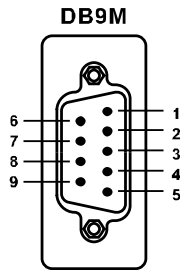
### Physical & Environmental

<b>Molding Dimension</b>	15 x 45 x 33 mm
<b>Cable Length</b>	350 mm (1.15 ft)
<b>Operating Temp</b>	0°C to 60°C (32°F to 140°F)
<b>Storage Temp</b>	-30°C to 85°C (-22°F to 185°F)

## Regulatory Approval

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

## Pin Assignment



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

## Packing List

- UTS1019P1 - USB-to-RS-232 Adapter w/cable 350 mm (1.15ft)

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