



UTS1019P0

USB Type-C to RS-232 Adapter
w/Cable 1200 mm (3.9ft)



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

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

Serial Communication

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

Power

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

Software & OS Support

Windows	11, 10, 8, 7 (Microsoft Certified WHQL Drivers)
Windows Server	2008R2 / 2012 / 2016 / 2019 / 2022
Other Systems	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

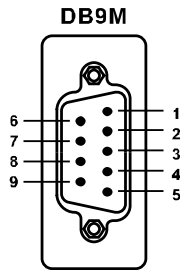
Physical & Environmental

Molding Dimension	15 x 45 x 33 mm
Cable Length	1200 mm (3.9 ft)
Operating Temp	0°C to 60°C (32°F to 140°F)
Storage Temp	-30°C to 85°C (-22°F to 185°F)

Regulatory Approval

EMC	UKCA, CE, FCC, VCCI, BSMI
Green	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

- UTS1019P0 - USB-to-RS-232 Adapter w/cable 1200 mm (3.9ft)

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