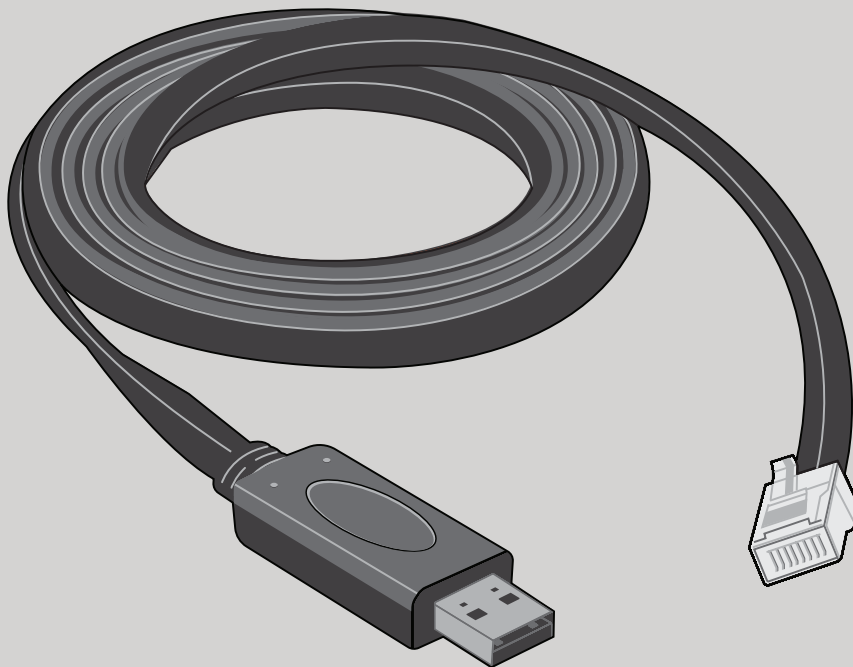


DATA SHEET

IC1101A, IC1102A, IC1103A

USB TO SERIAL ADAPTERS

24/7 TECHNICAL SUPPORT AT 877.877.2269 OR VISIT BLACKBOX.COM



BLACK BOX

OVERVIEW

USB TO SERIAL ADAPTERS DATA SHEET

INTRODUCTION

The USB to Serial Adapters are cables with a USB connector on one end and a serial connector on the other. They each use a special FTDI chip to convert a USB interface to an RS-232/422/485 serial interface over a distance of five or six feet, depending on the model.

The adapters support common Windows®, Mac®, Linux®, and Android® software drivers.

Three models are available:

- IC1101A: USB to Serial Adapter USB A/M to RJ-45M, 6-ft.
- IC1102A: USB to Serial Adapter USB C/M to RJ-45M, 6-ft.
- IC1103A: USB to Serial Adapter USB C/M to DB9M, 5-ft.

FEATURES

- SINGLE FTDI CHIP USB TO ASYNCHRONOUS SERIAL DATA TRANSFER INTERFACE
- ENTIRE USB PROTOCOL IS HANDLED ON THE CHIP. NO USB SPECIFIC FIRMWARE PROGRAMMING REQUIRED
- FULLY INTEGRATED 1024 BIT EEPROM STORING DEVICE DESCRIPTORS AND CBUS I/O CONFIGURATION
- FULLY INTEGRATED USB TERMINATION RESISTORS
- DATA TRANSFER RATES FROM 300 BAUD TO 3 MBAUD (RS-422, RS-485, RS-232) AT TTL LEVELS
- 128 BYTE RECEIVE BUFFER AND 256 BYTE TRANSMIT BUFFER USING BUFFER SMOOTHING TECHNOLOGY TO ALLOW FOR HIGH DATA THROUGHPUT
- UART INTERFACE SUPPORT FOR 7 OR 8 DATA BITS, 1 OR 2 STOP BITS AND ODD/EVEN/MARK/SPACE/NO PARITY
- SUPPORTS BUS POWERED, SELF-POWERED AND HIGH-POWER BUS POWERED USB CONFIGURATIONS
- LOW USB BANDWIDTH CONSUMPTION

COMPARISON CHART

SPECIFICATION COMPARISON CHART			
	IC1101A	IC1102A	IC1103A
FTDI CHIP	FT232R USB UART IC	FT232R USB UART IC	FT232R USB UART IC
CONNECTORS	(1) USB TYPE A MALE, (1) RJ-45 MALE	(1) USB TYPE C MALE, (1) RJ-45 MALE	(1) USB TYPE C MALE, (1) DB9 MALE
CABLE LENGTH	6 FT. (1.8 M)	6 FT. (1.8 M)	5 FT. (1.5 M)
EEPROM	1024 BIT	1024 BIT	1024 BIT
DATA TRANSFER RATES	300 BAUD TO 3 MBAUD (RS-422, RS-485, RS-232) AT TTL LEVELS	300 BAUD TO 3 MBAUD (RS-422, RS-485, RS-232) AT TTL LEVELS	300 BAUD TO 3 MBAUD (RS-422, RS-485, RS-232) AT TTL LEVELS
BUFFER	RECEIVE: 128 BYTE; TRANSFER: 256 BYTE	RECEIVE: 128 BYTE; TRANSFER: 256 BYTE	RECEIVE: 128 BYTE; TRANSFER: 256 BYTE
COMMUNICATION PARAMETERS	SUPPORTS 7 OR 8 DATA BITS, 1 OR 2 STOP BITS, AND ODD/EVEN/MARK/SPACE/NO PARITY	SUPPORTS 7 OR 8 DATA BITS, 1 OR 2 STOP BITS, AND ODD/EVEN/MARK/SPACE/NO PARITY	SUPPORTS 7 OR 8 DATA BITS, 1 OR 2 STOP BITS, AND ODD/EVEN/MARK/SPACE/NO PARITY
OPERATING TEMPERATURE	32 TO 131° F (0 TO 55° C)	32 TO 131° F (0 TO 55° C)	32 TO 131° F (0 TO 55° C)
STORAGE TEMPERATURE	-40 TO +185° F (-40 to +85° C)	-40 TO +185° F (-40 to +85° C)	-40 TO +185° F (-40 to +85° C)
DRIVERS SUPPORTED	WINDOWS 10 32- OR 64-BIT; WINDOWS 8/8.1 32- OR 64-BIT; WINDOWS 7 32- OR 64-BIT; WINDOWS VISTA AND VISTA 64-BIT; WINDOWS XP AND XP 64-BIT; WINDOWS 98/98SE/ME/2000/SERVER 2003/XP/SERVER 2008/SERVER 2012 R2; WINDOWS XP EMBEDDED; WINDOWS CE 4.2, 5.0, AND 6.0; MAC OS 8/9, OS-X; LINUS 2.4 AND GREATER; ANDROID (J2XX)		
APPROVALS	ROHS, CE, FCC, WEEE	ROHS, CE, FCC, WEEE	ROHS, CE, FCC, WEEE

ORDERING INFORMATION

ITEM	CODE
USB to Serial Adapter USB A/M to RJ-45M, 6-ft.	IC1101A
USB to Serial Adapter USB C/M to RJ-45M, 6-ft.	IC1102A
USB to Serial Adapter USB C/M to DB9M, 5-ft.	IC1103A

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