

Digitus DA-70167

Digitus USB to Serial Adapter User Manual

Model: DA-70167

INTRODUCTION

This manual provides instructions for the Digitus USB to Serial Adapter (Model DA-70167). This device enables data exchange between a personal computer with a USB port and various serial peripherals, such as machine controls, modems, and sensors. It is compliant with the USB 2.0 standard and features a PL2303GT chipset, offering customizable data transfer rates.

The adapter includes one USB 2.0 Male A connector and one D-SUB 9-Pin Male (RS232) connector, with gold-plated contacts for reliable connection. An 80 cm USB extension cable is also included for convenience.

PACKAGE CONTENTS

- 1 x Digitus USB to Serial Adapter (DA-70167)
- 1 x 80 cm USB Extension Cable

PRODUCT OVERVIEW



Figure 1: Digitus USB to Serial Adapter. This image shows the main view of the adapter, highlighting its compact design and the D-SUB 9-pin connector.

Anschlüsse **Connections**



Figure 2: Connection points of the adapter. This diagram illustrates the RS232 (D-SUB 9-pin) and USB A 2.0 connectors on the adapter.



Figure 3: Close-up view of the D-SUB 9-pin (RS232) male connector, showing the pin configuration.



Figure 4: View of the USB-A male connector, which plugs into the computer's USB port.

SETUP

Follow these steps to set up your Digitus USB to Serial Adapter:

1. **Driver Installation:** Before connecting the adapter, it is recommended to install the necessary drivers for the PL2303GT chipset. Drivers are typically available on the Digitus support website or can be automatically installed by your operating system upon first connection.
2. **Connect to Computer:** Plug the USB-A male connector of the adapter into an available USB 2.0 port on your computer. You may use the included 80 cm USB extension cable if needed.
3. **Connect to Serial Device:** Connect the D-SUB 9-pin male (RS232) connector of the adapter to the serial port of your peripheral device (e.g., modem, machine control, label printer, barcode scanner, POS system, cash register, network switch). Ensure the screws on the D-SUB connector are tightened to secure the connection.

Eins-zu-Eins-Verbindung
One to one connection



Figure 5: Diagram showing a one-to-one connection setup, illustrating the adapter connecting a label printer or other RS-232 device to a laptop/PC.

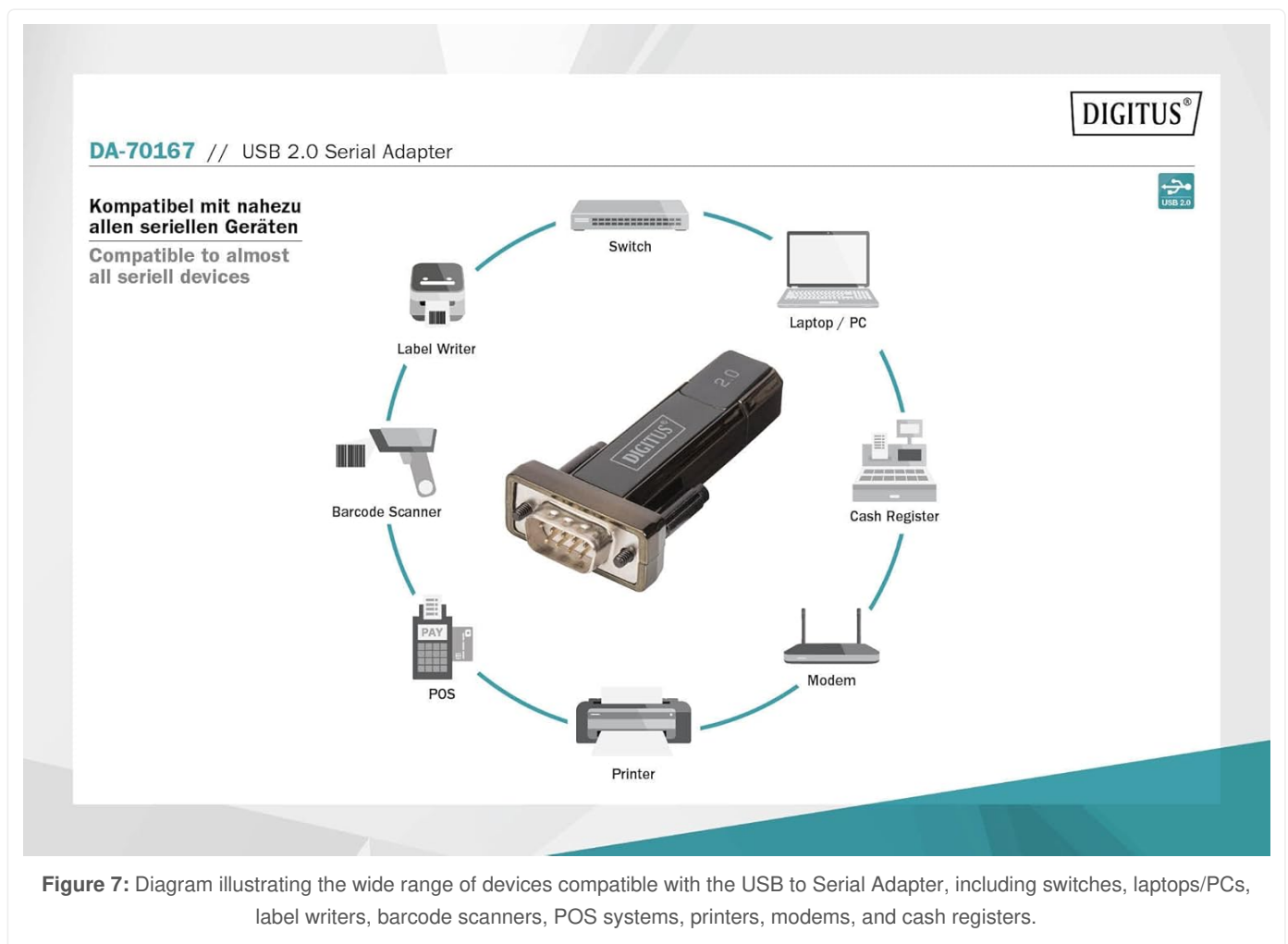


Figure 6: The USB to Serial Adapter connected to a network switch and a laptop, demonstrating a typical application.

OPERATING INSTRUCTIONS

Once the adapter is physically connected and drivers are installed, your computer should recognize the new serial port. You can then use software applications that require serial communication to interact with your connected peripheral device.

- **Identifying the COM Port:** After installation, check your computer's Device Manager (Windows) or System Information (macOS/Linux) to identify the assigned COM port number for the USB to Serial Adapter. This port number will be used by your serial communication software.
- **Configuring Software:** Open your serial communication software (e.g., PuTTY, Tera Term, HyperTerminal) and configure it to use the identified COM port. Set the appropriate communication parameters such as baud rate (data transfer rate), data bits, parity, stop bits, and flow control, matching the requirements of your serial peripheral device. The adapter supports customizable data transfer rates between 75 bit and 128,000 bit per second.
- **Data Exchange:** Initiate data exchange through your software. The adapter will facilitate the communication between your computer's USB port and the serial device.



MAINTENANCE

The Digitus USB to Serial Adapter requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the adapter. Do not use liquid cleaners or solvents.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Avoid dropping the adapter or subjecting it to strong impacts. Do not bend or twist the cable excessively.
- **Connector Care:** Keep the connectors free from dust and debris. If necessary, use compressed air to clean the

ports.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Adapter not recognized by computer.	Drivers not installed or corrupted. Faulty USB port. Adapter not fully plugged in.	Install or reinstall the latest drivers from the Digitus website. Try a different USB port on your computer. Ensure the adapter is securely connected to the USB port.
Communication errors with serial device.	Incorrect COM port selected. Incorrect serial communication parameters (baud rate, parity, etc.). Loose connection to serial device.	Verify the correct COM port in Device Manager. Double-check and match the serial communication parameters in your software with the device's requirements. Ensure the D-SUB 9-pin connector is securely fastened to the serial device.
Slow data transfer.	Baud rate set too low. System resource contention.	Increase the baud rate in your software, ensuring it is supported by both the adapter and the serial device. Close unnecessary applications to free up system resources.

SPECIFICATIONS

Model Number	DA-70167
Brand	Digitus
Connectors	1x USB 2.0 Male A, 1x D-SUB 9-Pin Male (RS232)
Chipset	PL2303GT
USB Standard	USB 2.0 Compliant
Data Transfer Rate	75 bit to 128,000 bit per second (customizable)
Cable Length	80 cm (USB extension cable included)
Color	Black
Item Weight	2.82 ounces
Product Dimensions (LxWxH)	3.94 x 5.91 x 1.57 inches
Compatible Devices	PC, various serial peripherals (machine controls, modems, sensors, etc.)

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Digitus website or contact their customer service. Keep your purchase receipt as proof of purchase for warranty claims.
Digitus Official Website: www.digitus.info

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This manual is for informational purposes only. Specifications are subject to change without notice.