REX-USB60F

USB Serial Converter

Installation Guide for Windows

2016.05
Rev. 1.00

RATOC Systems, Inc.

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*The specifications and pictures are subject to change without notice.

1.Introduction

1-1. Overview

● REX-USB60F is a USB to serial converter.
Compatible with Universal Serial Bus specifications Rev. 1.1.
● Up to 230.4Kbps data transfer rate.
● Standard USB (A type Male)
Easy to connect PC.
●Virtual COM port driver
REX-USB60F can be used with FTDI's VCP drivers to provide a COM port on a PC.
●LED indicators
REX-USB60F has "PWR/TXD/RXD" LED indicators for monitoring communication status.
PWR: power / TXD: transmit / RXD: receive

1-2. Package Contents

This product is shipped with the following items:
● REX-USB60F USB Serial Converter
● Setup CD-ROM.
● Installation Guide
● Warranty Card in Japanese

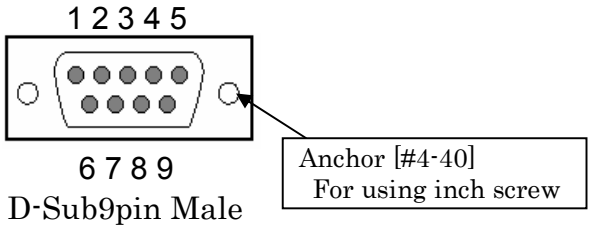
1-3. System Requirements and Restrictions

Host machine
●Windows PC with free Standard USB A type port

Operating System
● Windows 10, Windows 8.1, Windows 8, Windows7, Windows Vista
● Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2, Windows Server 2008

1-4. DB9(RS-232C) connector Pin Assignment

The pin assignment of the connector is below:
This DB9pin connector is compatible with ANSI/EIA/TIA-574 specifications.



D-Sub9pin Male

Pin#	Signal Name	Direction DTE - DCE.	Meaning
1	DCD	<---	Data Carrier Detected
2	RXD	<---	Received Data
3	TXD	--->	Transmitted Data
4	DTR	--->	Data Terminal Ready
5	GND	-	Signal Ground
6	DSR	<---	Data Set Ready
7	RTS	--->	Request to Send
8	CTS	<---	Clear to Send
9	RI	<---	Ring Indicator

2. Installation on Windows PC

Please make sure that the Windows PC meets the following specifications:

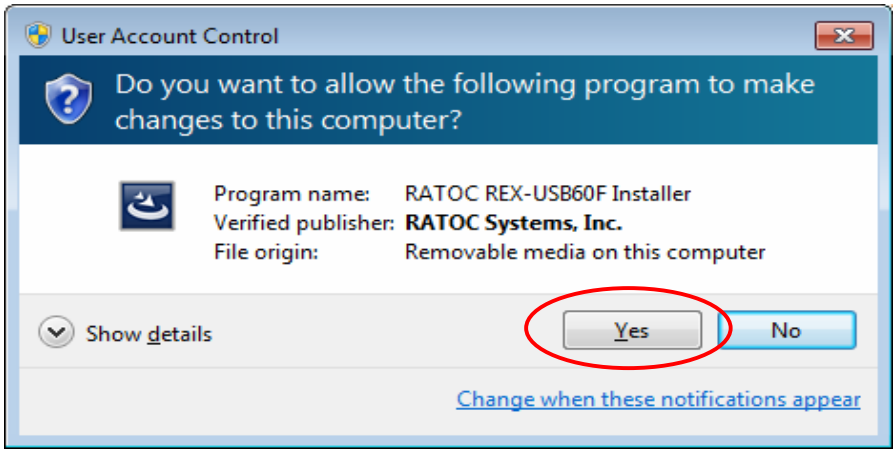
- USB port is Standard-USB A
- Windows version is Vista or later

2-1. Installation on Windows 10/8.1/8/7/Vista/ Server 2012 R2/Server2012/Server 2008 R2/ Server 2008

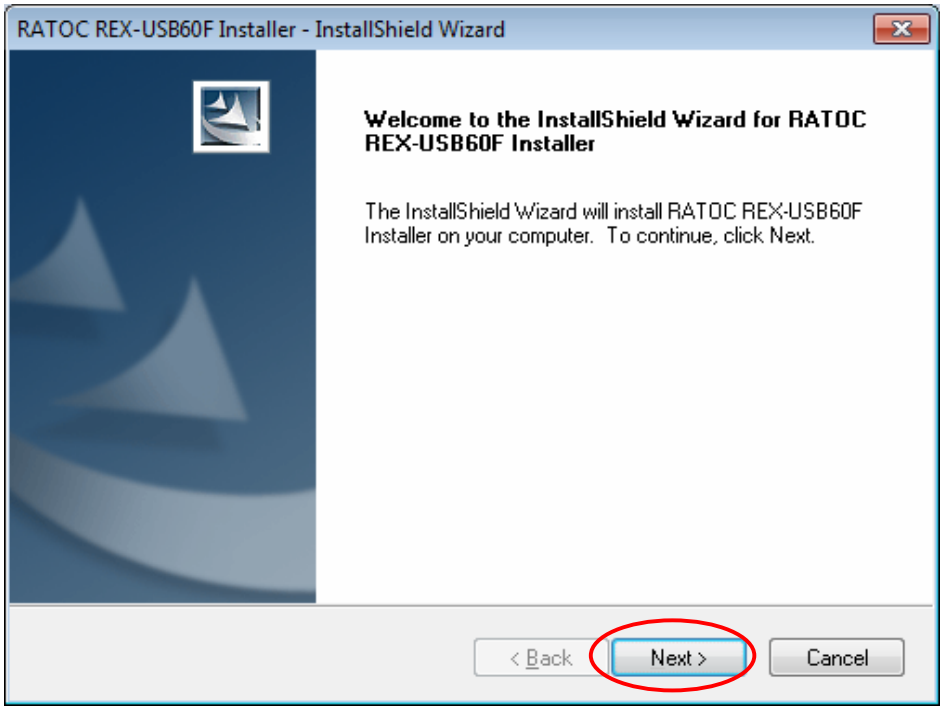
Before connecting the REX-USB60F USB serial converter to a USB port, follow the instructions below:

1) Insert the setup CD-ROM for the REX-USB60F into your CD-ROM drive. Navigate to the [Setup] folder on the CD that contains the USB60F_Setup.exe Double click USB60F_Setup.exe.

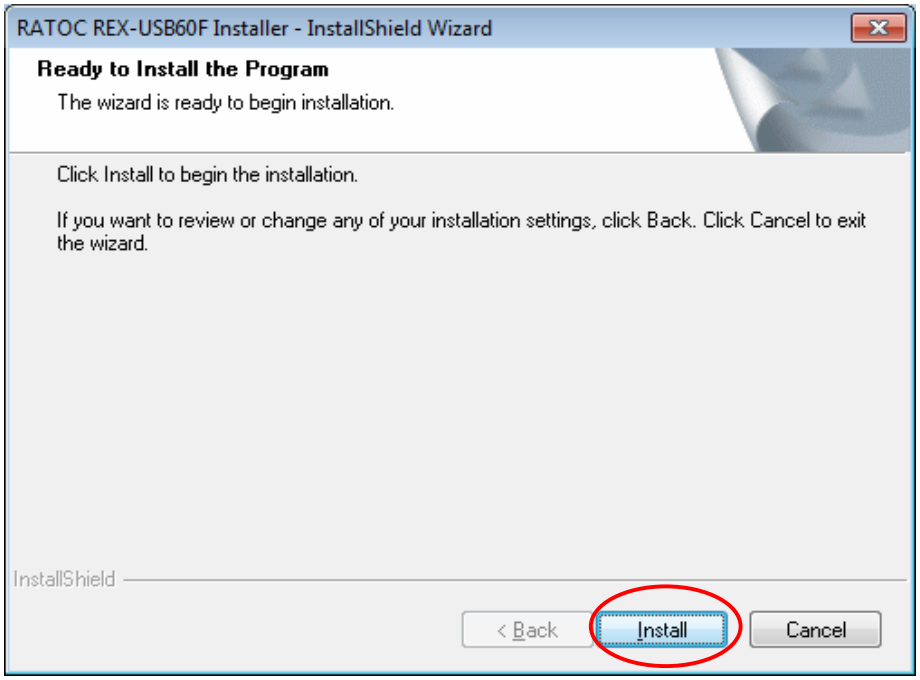
2) A "User Account Control" dialog box may appear. Click [Yes] to proceed with the installation.



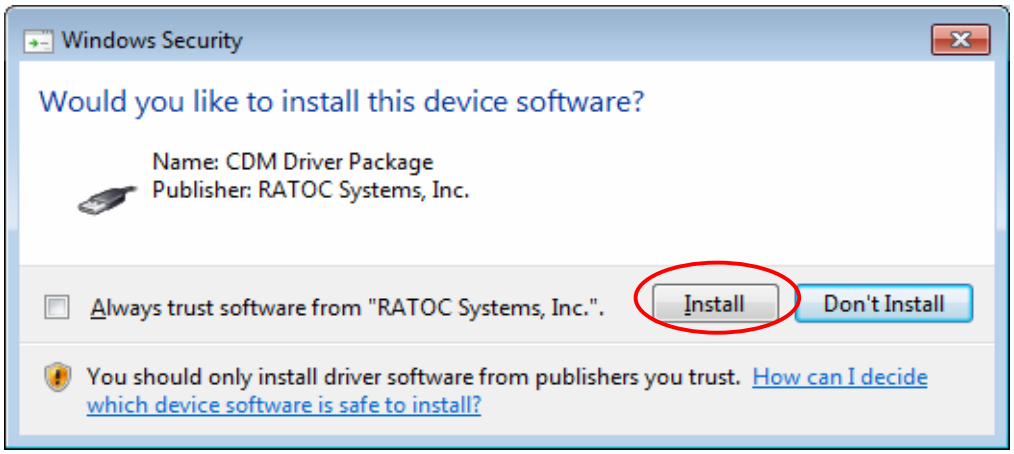
3) The InstallShield Wizard for RATOC REX-USB60F Installer will start.
Click [Next] to proceed with the installation.



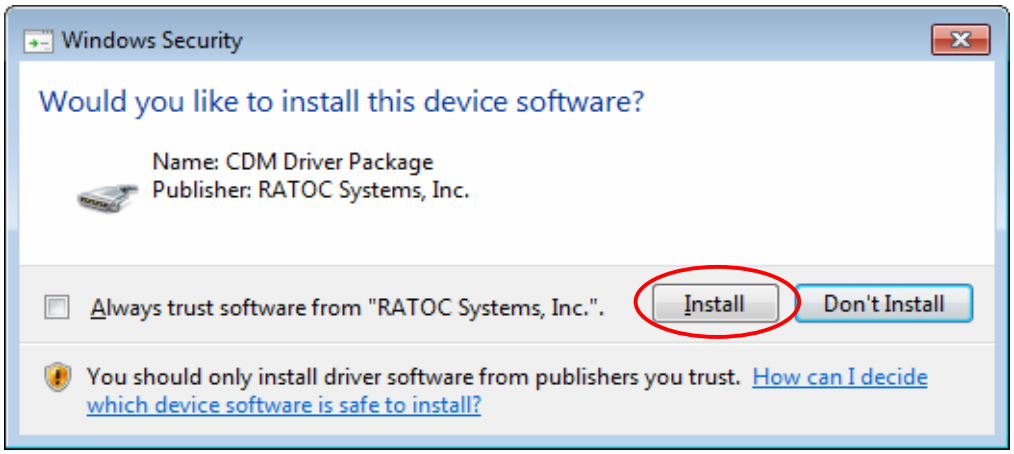
4) A "RATOC REX-USB60F Installer" will start.
Click [Install] to proceed with the installation.



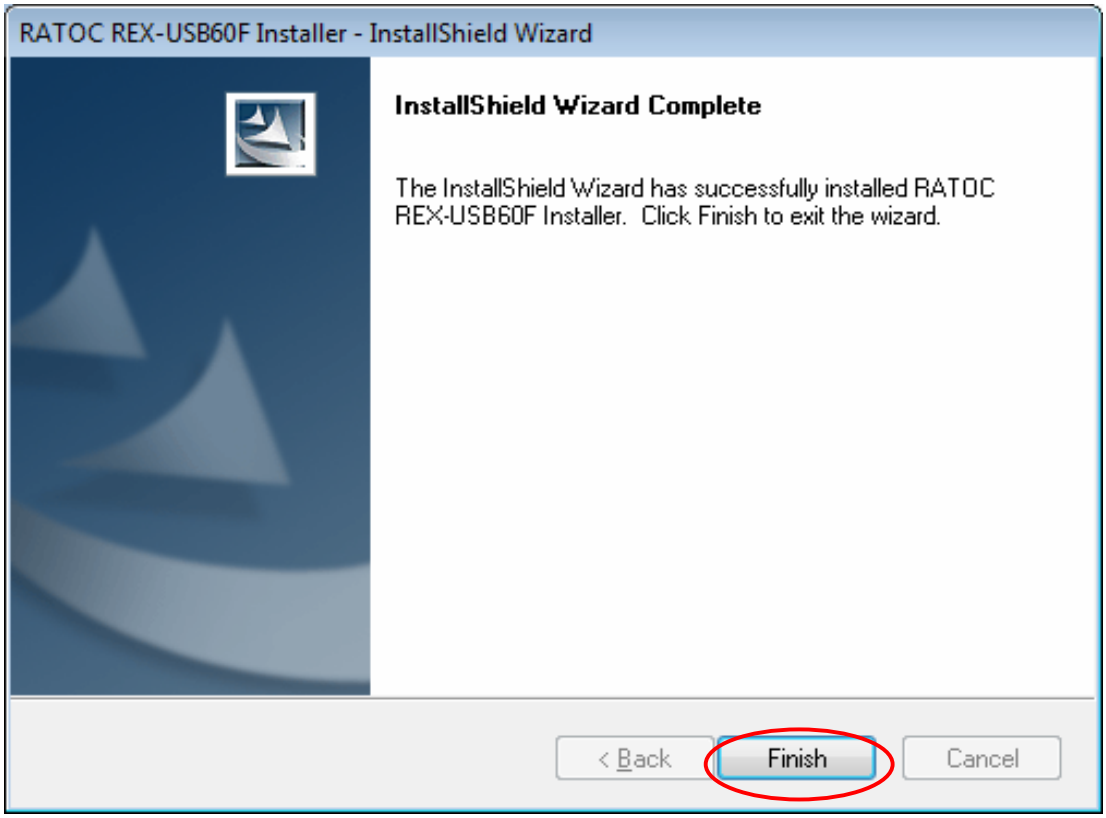
5) A “Windows Security” dialog box will appear.
Click [Install] to proceed with the installation.



6) A “Windows Security” dialog box will appear again.
Click [Install] to proceed with the installation.



7) The screen will automatically complete and then change to the one below:



Click [Finish]. The "RATOC REX-USB60F Installer" has finished.

Connect the REX-USB60F to a spare USB port on your PC.
The necessary drivers will be found.
It will start installation and automatically finish.

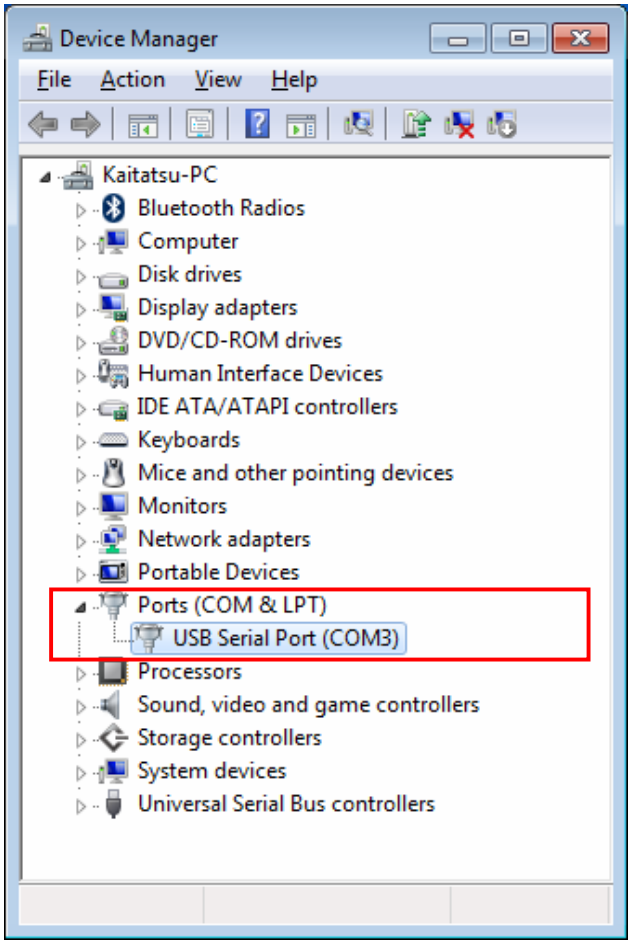
Proceed to (2-2) Confirmation of setting REX-USB60F to confirm the installation has finished properly.

2-2. Confirmation

For confirming the installation has finished properly.
Open the Device Manager and select “View > Devices by Connection”.

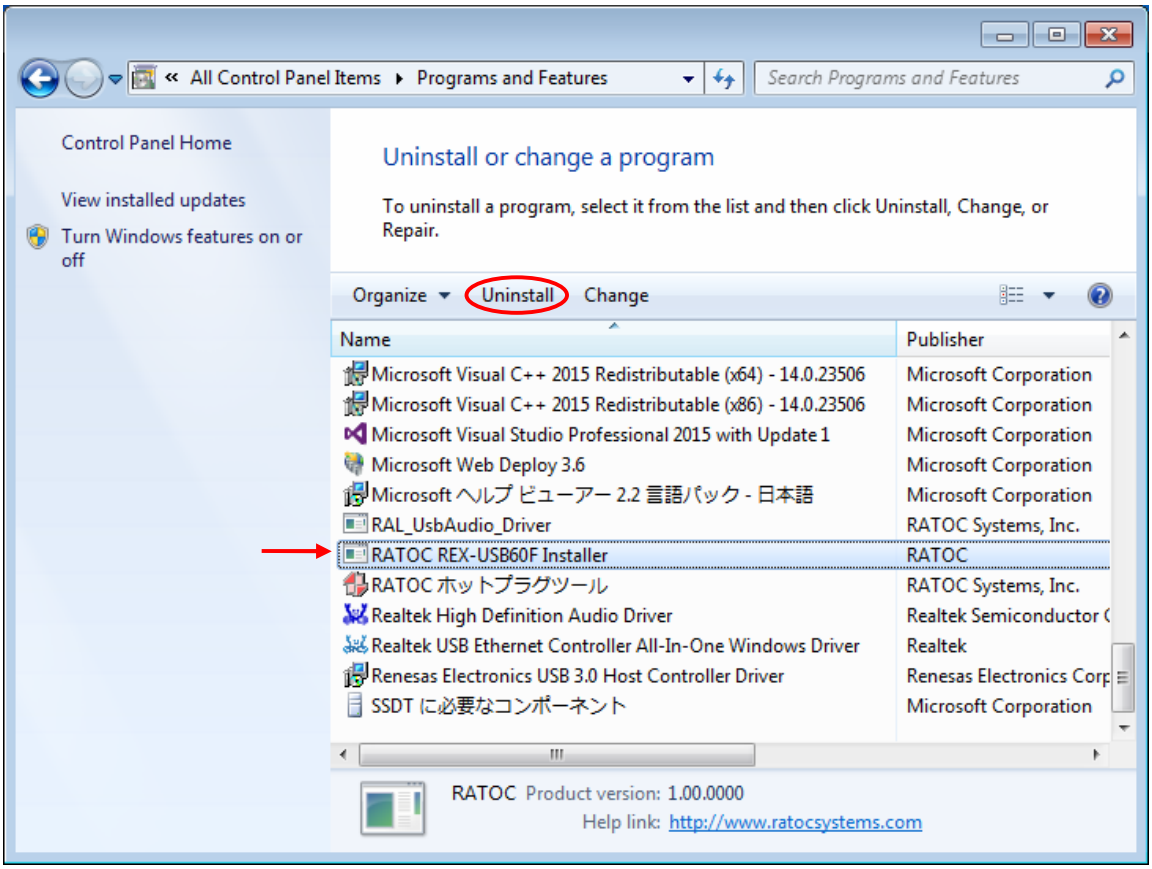
Under the “Ports(COM/LPT)” category, the label “USB Serial Port” with an additional COM port will appear.

If the label “USB Serial Port” shows without yellow “!” mark, the installation is done properly.

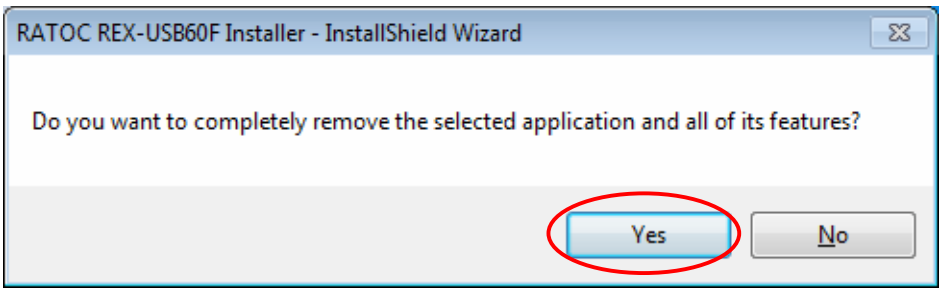


2-3. Uninstallation on Windows 10/8.1/8/7/Vista Server 2012 R2/Server 2012/Server 2008 R2/Server 2008

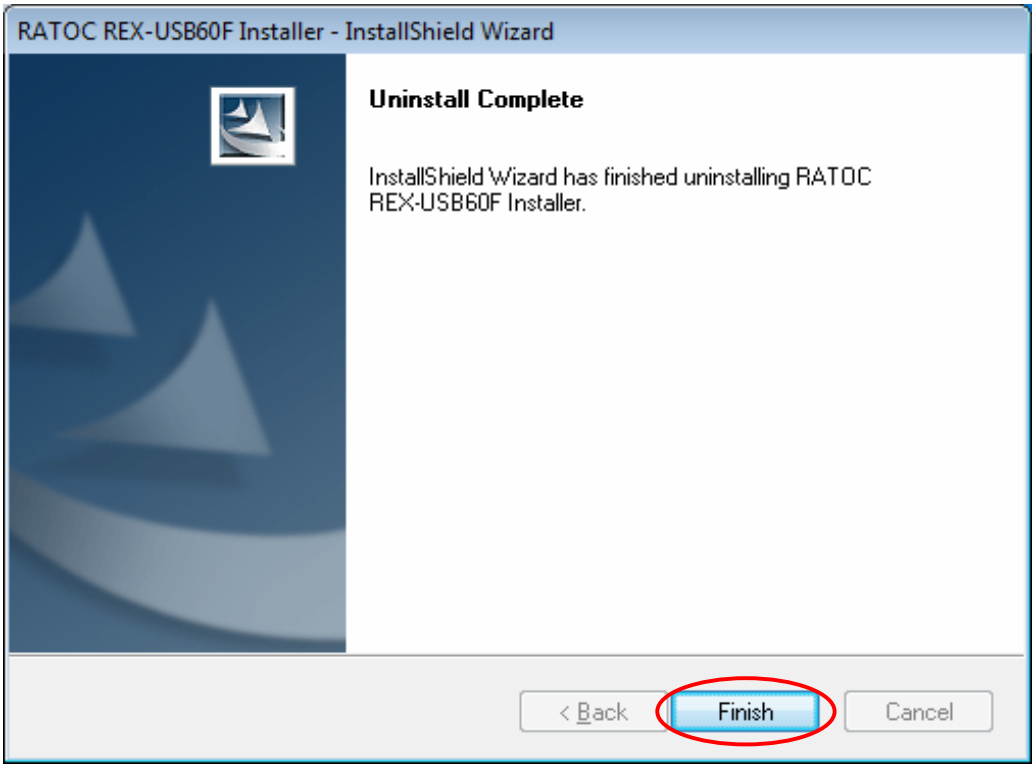
Open the [Program and function] at the [Control Panel].
Select the [RATOC REX-USB60F Installer] and click [Uninstall].



The InstallShield Wizard for RATOC REX-USB60F Installer will start.
The following dialog will appear. Click [Yes] to proceed with the uninstallation.



The screen will automatically complete and then change to the one below:



Click [Finish] to finish with the uninstallation.

3. Specifications

Product Name	REX-USB60F
Serial Input/Output level	RS-232C level
USB Specification	USB(Universal Serial Bus) Specifications Rev. 1.1
Connector	USB : Standard-USB Type A male RS-232C : D-Sub9 male (with anchor [#4-40])
Number of I/O ports	1 port
Unit Dimensions	3.35[L] x 1.1[W] x 0.43[H] in (85[L] x 28[W] x 11[H] mm)
Cable Length	Approx. 2.83 ft (85 cm)
Weight	0.194 oz (55 g)
Data transfer mode	Asynchronous (Start stop synchronization)
Data transfer Rate (Baud)	300/600/1,200/2,400/4,800/9,600/19,200/38,400 57,600/115,200/230,400 bps
Transmit Distance	Within 50ft (15m)
Power Voltage	DC+5V (Powered for USB Bus)
Power Consumption	Average: 36mA(5V) Max.: 60mA(5V)
Serial Parameter	Data bit: 7/8 Start bit:1 Stop bit: 1/2 Parity bit: even/odd/none
RS-232C connector	D-SUB9PIN RS-232C connector Male ANSI/EIA/TIA-574
LED Indicators	PWR : Power LED If 5V power from USB bus is properly supplied from USB bus, this indicator LED will be on. TXD : Transmit data indicator (Host to Device) RXD : Receive data indicator (Device to Host)
Operating Environment	Temperature: 32ºF to 122ºF (0ºC to 50ºC) Humidity: 10 to 90% (non condensing)
Storage Environment	Temperature: -4ºF to 149ºF (-20ºC to 65ºC) Humidity: 10 to 90% (non condensing)

Note:

1. Do not remove while the application is communicating. System will be unstable.
2. Do not operate to suspend while the application is communicating. System will be unable to resume properly.
3. This product does not support the serial mouse for connecting to RS-232C port.

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