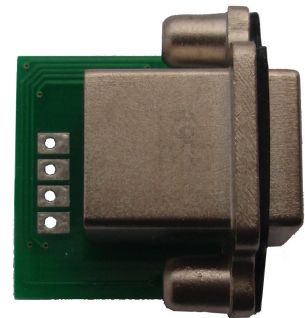# DEVICE FUNCTIONS

R0068CS5009P

Features

- IP67 sealed
- Nickel plated zinc alloy shell
- Shock and vibration resistant
- RS232 - USB conversion
- COM port device driver
- Remote access over network and Internet.
- Support multiple devices on the same computer.
- Support two users at the same time.
- Network connection tools (option).
- Virtual private network (VPN) connection tools (option).
- ESD surge protection: ±8kv contact discharge, ±15kv air gap discharge
- LC filters on RS232 RxD and TxD lines
- USB bus powered, 17.5mA
- Panel mounting

Specifications

USB	USB specification 2.0 compliant
	USB type B receptacle connector
	USB full speed 12Mbps transmission
RS232	Signals: RxD, TxD, GND
	Receiver RxD input voltage range: -25v to +25v
	Transmitter TxD output voltage swing: -5.7v to +5.7v
	Connector: 3 solder pads 3.05mmx2.03mm
	Baud rate: 1200bps to 115200bps
	Parity: Even, Odd, None, Mark, Space
	Data length: 5-bit, 6-bit, 7-bit, 8-bit
	Stop bits: 1-bit, 2-bit
Grounding	USB connector is floating. Grounding pads are provided.
Power	USB bus powered, 17.5mA
Software	32-bit and 64-bit COM port device drivers and the adapter manager for Microsoft Windows 8, Windows 7, Windows Vista, Windows XP
Mounting	Panel mount with panel gasket included. 4x40 thread
Vibration	Per EIA 364-28 per Condition V, Letter A
Shock	Per EIA 364-27 Condition H (11 ms 30G)
Shell	Nickel Plated Die-cast Zinc Alloy
Part Number	

R0068CS5009P-B	RS232 programmable, support all settings.
R0068CS5009P-P	RS232 programmable, support all settings. Network connection tools Virtual private network (VPN) connection tools
R0068CS5009P-B-96	RS232 setting: 9600bps, 8-bit, No parity, 1-bit stop.

R0068CS5009P-P-96	RS232 setting: 9600bps, 8-bit, No parity, 1-bit stop. Network connection tools Virtual private network (VPN) connection tools
R0068CS5009P-B-11	RS232 setting: 115200bps, 8-bit, No parity, 1-bit stop.
R0068CS5009P-P-11	RS232 setting: 115200bps, 8-bit, No parity, 1-bit stop. Network connection tools Virtual private network (VPN) connection tools

Operating temperature range: -40℃ TO +85℃

Software Installation

The software package is supplied in a compressed folder file named *r0068_drivers* or a CD. Here are the installation steps.

1. If you have file *r0068_drivers*, rename *r0068_drivers* to *r0068_drivers.zip*, extract all files to a file folder on your local disk or USB drive, double click *setup.exe* to start software installation.
2. If you have the software CD, insert the software CD into your computer's disc drive, the software installation will start automatically.
3. Follow the on-screen instructions until the setup wizard finishes.
4. Connect USB module to the computer's USB port with an USB cable.
5. Follow the on-screen instructions if any to complete the software installation.

Software Usage

Refer to *R0068 USB-RS232 Adapters* datasheet *r0068.pdf*.

RS232 Connector Definition

Refer to USB module CS5009P datasheet *cs5009.pdf*.

Drawings (mm, tolerance ±0.3 unless otherwise specified)

Refer to USB module CS5009P datasheet *cs5009.pdf*.

Accessories

CS5009C

Dust cover for USB receptacle is included.
- Material: Silicone rubber
- Operating temperature: -40℃ TO +105℃

SWD002

R0068 device driver CD
The COM port device drivers and the adapter manager supports 32-bit (x86) and 64-bit (x64) Microsoft Windows 8, Windows 7, Windows Vista, Windows XP.