



Overview

The SC532A interface enables communications between a PC and a Campbell Scientific 9-pin peripheral by providing

power and converting the peripheral's logic levels to the RS-232 levels required by the computer.

Benefits and Features

- › Enables communications between a PC and some Campbell Scientific 9-pin peripherals
- › Provides power and converts the peripheral's logic levels to RS-232 levels

Technical Description

The SC532A is required to:

- › Connect a PC to the RF500M Radio Modem's CS I/O port instead of its RS-232 port.
- › Change the COM200-series phone modem's settings

- › Communicate with an MD9 network
- › Transfer programs and data to a SM4M/SM16M storage module (retired)

The SC532A replaced our SC532.

Specifications

RS-232 Output Levels	±10 Vdc ±1 Vdc
Maximum Output Impedance	1100 Ω
RS-232 Input Levels	› ≥ 3.5 V (high threshold) › ≤ 0.8 V (low threshold) › ±30 V (maximum)
Input Impedance	3000 Ω
9-pin Inputs	› High ≥ 3.5 V › Low ≤ 1 V
9-pin Outputs	› Low ≤ 0.5 V

	› High ≥ 3.5 V
Quiescent Current Drain	› 5 mA (typical) › 10 mA (maximum)
Dimensions	11.9 x 4.3 x 2.3 cm (4.7 x 1.7 x 0.9 in.)
Weight	567 g (1.3 lb) with ac wall charger

Input Voltage (to POWER jack)	
5 V Peripherals	6 to 17 Vdc

12 V Peripherals

12 to 17 Vdc

Output Voltages

On PERIPHERAL Connector Pin 1 5 Vdc ± 0.075 Vdc

On PERIPHERAL Connector Pin 8 6 to 17 Vdc, depending on ac adapter used (12 Vdc unregulated using factory AC adapter)

Power Available

5 V Peripherals

- › Voltage above 9 Vdc (derated 1 mA for each degree Celsius above 25°C)
- › 5 Vdc @ 120 mA maximum at 25°C (derate 12 mA for each AC adapter)

12 V Peripherals

Factory-provided AC adapter supplies an unregulated 12 Vdc @ 1 A.

For comprehensive details, visit: www.campbellsci.eu/sc532a 



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