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.

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)

Specifications

- RS-232 Output Levels: ±10 Vdc ±1 Vdc
- Maximum Output Impedance: 1100 Ω
- Input Impedance: 3000 Ω
- Dimensions: 11.9 x 4.3 x 2.3 cm (4.7 x 1.7 x 0.9 in)
- Weight with ac wall charger: 567 g (1.3 lb)

RS-232 Input Levels

- Maximum: ±30 V
- Low Threshold: ≤0.8 V
- High Threshold: ≥3.5 V

9-pin Inputs

- Low: ≤ 0.5 V
- High: ≥ 3.5 V

9-pin Outputs

- Low: ≤ 0.5 V
- High: ≥ 3.5 V

Ordering Information

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Quiescent Current Drain

- Typical: 5 mA
- Maximum: 10 mA

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: 5 Vdc at 120 mA maximum at 25°C; derate 12 mA for each AC adapter. Voltage above 9 Vdc; derated 1 mA for each degree Celsius above 25°C
- 12 V peripherals: Factory-provided AC adapter supplies an unregulated 12 Vdc @ 1 A