



SA1 Datasheet

Sparvio Computer Adapter



SA1 connects Sparvio to a computer for reading out log files. It only needs to be connected while reading logs, not during measurements. Use SA1 together with computer software.

Other functions

SA1 can directly power and interface Sparvio sensors to a computer for immediate sensor readings. A SKH1 hub is not necessary for this. SA1 can also perform system configuration, firmware upgrade and battery charging.

Power

SA1 can be configured in two ways:

- 1) Power SA1 from USB with Sparvio powered externally at 3-15 V
- 2) Power both SA1 and Sparvio from USB (5 V, maximum 500 mA)

SA1 can not be powered from the Sparvio system.

Charging

If Sparvio is powered from a one-cell lithium-polymer battery, SA1 can charge it through the SSP cable.

Parameter	Specification
Connector type	USB
Communication	USB and Sparvio SSP
Power provided	Can output 5V to power up to 480 mA to a Sparvio system
Power supply	Powered from USB. 5V up to 500 mA.
Size	35 x 50 x 15 mm
Weight	18 gram without cables



Sparvio background

The Sparvio system provides a modular, plug-and-play solution for measuring various quantities for UAVs, other environmental studies, lab experiments and education. The system is designed to start immediate measurements without any further integration.

SA1 is required to use the Sparvio system.

SA1 is designed and manufactured in Sweden by Sparv Embedded AB.