

SPORTident ActiveCard

Description

- SPORTident ActiveCard (SIAC) can be used in two different identification modes:
 - **Punching mode:** registers a direct punch in less than the tenth of a second (works even if battery is empty)
 - **Timing mode:** registers the time and code number of an AIR+ compatible SPORTident Station
- SIAC completes the **identification cycle** in 60 ms and registers up to 128 **intermediate time records**
- The optical and acoustical feedback signal, emitted by the SIAC, indicates the successful timekeeping and registration
- Intermediate and finish times are recorded in a **proximity range** of several meters when passing the checkpoint with a maximum speed of 40 km/h
- A built-in short-range radio enables the **transmission of time records** for the online data presentation
- SIAC is **energy-efficient** and the card will work for several years before a battery change
- SIAC is fully encapsulated and waterproofed
- SIAC can be customized according to your preferences (you can choose a colour and a SIAC number)



Three ways to detect the need for battery change

1. You can measure SIAC's battery voltage by using an ordinary SPORTident station configured as "**SIAC battery test**"
2. An integrated battery voltage measurement, with a beeping signal, will indicate the need for a battery change
3. You can also check battery status with the SPORTident software **Config+**



Specifications

Model type	Finger stick
Number range	8 000 001 ... 8 999 999
Typical applications	Orienteering, MTB, Enduro, Triathlon, Trail and other outdoor sports
Data exchange time	60 ms direct punching 50ms contactless punching
Passing speed AIR+	maximal 40 km/h, depending on a station configuration
Time resolution	4 ms / 50 ms depending on operation mode
Time format	24h-format, day of week
RFID frequency	125 kHz
Radio frequency	2.4 GHz (Short range radio - SRR)
Data Readout time	RFID < 4 s, SRR < 1 s
Clear time	<0.5 s
User feedback signal	Optical and acoustical signals, configurable
AIR+ ON	be CHECK or SIAC-ON, slowly flashing green LED indicates ON state
AIR+ OFF	by FINISH or SIAC-OFF
Intermediate time records	128
Special records	CLEAR/CHECK, START, FINISH
Firmware Card	RFID V4.0 and higher, SRR V4.0 and higher, no user upgrade
SI-System compatibility Firmware stations	- SI-Stations BSx7/8, firmware V6.00 and higher - SI-Stations BS11, firmware V3.12 and higher
Operating temperature range	-20°C ... +50°C
Protection class	IP 67 (DIN EN 60529) - Protection against penetration of dust - Protection against the ingress of water during short-term immersion
Battery life time	Up to 4 years
Battery exchange	yes, by SPORTident
Warranty	2 years, except for battery
Weight	11 g



Dimensions	68 mm x 21 mm x 12 mm
Colours	5 basic colours for body, white tip with logo

SPORTident ActiveCard Firmware Release Notes

Firmware 4.3

- Shipping since 1 December 2015
- Improved compatibility to SI-Card10 for direct punching
- Improved timing accuracy in "timing mode" for contactless punching

Firmware 4.0

- Shipping since 1 April 2015
- Fixed: Card memory can not be read out without working battery

Firmware 3.2

- Initial firmware
- Shipping until 31 March 2015