

nordicidsampo

The Nordic ID Sampo family is a product line of high performance and multi usable RFID readers. The readers are designed to fill the needs of the areas of point-of-sales, document tracking, access control, tag programming stations, smart shelves as well as smart displays and inventory management.

The reading range of the Nordic ID Sampo readers can be adjusted from a few centimeters up to 7-8 meters. The software solution allows the readers to be delivered ready adjusted for specific uses, such as "kill-tag". They are fast and easy to deploy as well as easy to use.

Together with the Nordic ID mobile computers the Nordic ID Sampo family provides a complete RFID hardware solution for all purposes.



NORDIC ID SAMPO S1

UHF RFID	
RF Power	+27 dBm (500 mW) adjustable in 1 dB steps with integrated antenna ERP +30dBm (1W)
Integrated antenna	8 dBic circular polarized antenna Beam width: 80°
External antenna port	50 Ω / SMA (optional)
Typical reading speed	150 tags / sec
Typical reading distance	5 m (16 ft)
RFID Protocol support	EPC Class 1 Gen 2 (ISO 18000-6C)
Frequency	ETSI 865.6 – 867.6 MHz FCC / IC 902 – 928 MHz Built-in region support for Malaysia, China, Brazil, New Zealand and Australia
Regulatory	CE ETSI EN 302 208 CE ETSI EN 301 489 FCC part 15.247 IC RSS-210 Safety IEC 60950-1
USER INTERFACE	
LED indicators	Power RFID on RFID read Communication
Signals	Buzzer: Tag read Triggers: light sensor, tapping sensor
SIZE AND WEIGHT	
Dimensions	(W) 200 x (L) 260 x (H) 25 mm (W) 7.9 x (L) 10.2 x (H) 1.0 inch
Weight	480 g (16.9 oz)
COMMUNICATION	
USB Device Port	<ul style="list-style-type: none"> • USB B mini connector • Bus powered USB 2.0 device • Appears as a serial port
POWER	
Operating Power	3 W (RF-Power 500 mW)
Power Supply	USB or 240/110 V AC/DC external power supply
ENVIRONMENT	
Operating Temperature	-20 °C to 55 °C (-4 to 130 °F)
Storage Temperature	-40 °C to 85 °C (-40 to 185 °F)

Nordic ID Sampo S1 is a sleek, easy-to-use and mountable USB reader for interactive read/write RFID applications with adjustable reading range.

The device fulfills the needs of a global organisation through its EPC Class 1 Gen 2 with multiregion frequency and DRM support. In addition to the LED indicators the device is also equipped with a buzzer as well as a light sensor and a tapping trigger.

Setting up the Nordic ID Sampo S1 is simple and cost-effective. It is powered by USB or via external power supply. With the Nordic ID Sampo the retail environment has a champion performer that optimizes intuitive use with flat and sleek design, especially suitable for the apparel and fashion industry, while offering fast track to productivity and quick ROI.

PRODUCT HIGHLIGHTS

- High performance UHF RFID reader / writer
- Plug & play USB installation
- Trigger sensors
- Adjustable reading range
- Autosensing inventory parameter possibility
- Fast and easy software integration
- Flat and elegant design
- Powered by USB or external power supply
- 2 years warranty

SOFTWARE APPLICATIONS

- RFID Demo Software

SOFTWARE DEVELOPMENT

- Ready-to-use Nordic ID NUR API that provides full control over the reader
- Application can be written in C/C++ and .NET languages
- USB driver for:
 - Windows XP SP3
 - Windows Vista Business / Ultimate
 - Windows 7 Professional / Ultimate

SUITABLE APPLICATION AREAS

- Point-of-sales
- Document tracking
- Access control
- Tag programming stations
- Smart shelves and smart displays
- Inventory management

All information is subject to change without prior notice.

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