

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. This, together with the versatile reading settings, makes Nordic ID Sampo S1 suitable for a vast number of applications.

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	
Supported standard	ISO 18000-6C (EPC Class 1 Gen 2)
Frequency band	ETSI 865.6 - 867.6 MHz or FCC/IC 902 - 928 MHz
RF Power	Internal antenna: +30dBm (1W) ERP. Antenna ports: +27 dBm (500 mW). One-Series: Internal antenna: +33dBm (2W) ERP. Antenna ports: +30 dBm (1 W). Output power adjustable in 1 dB steps.
Typical reading speed	200 tags / sec
Integrated antenna	STANDARD ANTENNA: 8 dBic circular polarized, Beam width: 80° Nominal reading distance 5 m (16 ft) / (One-Series 7 m (23 ft)) NEAR-FIELD ANTENNA (optional): 2 dBi near-field optimized antenna Nominal near-field reading distance 0 – 20 cm (0 – 4 inch) / (One-Series 0-40 cm (0 – 8 inch)) far-field reading distance upto 2 m (6.5 ft) / (One-Series 0-3 m (0 – 10 feet))
External antenna port	3 pcs. 50 Ω / SMA (optional)
Regulatory	CE ETSI EN 302 208, CE ETSI EN 301 489, FCC part 15.247 IC RSS-210, Safety IEC 60950-1
USER INTERFACE	
Signals and indicators	LEDs: Power, RFID on, RFID read and Communication Buzzer: Tag reader Triggers: light sensor, tapping sensor
CONNECTIVITY	
LAN	Ethernet (optional)
PAN	Bus powered USB 2.0 device (appears as a serial port)
GPIO (optional)	4 inputs, opto isolated, max. 24V 4 outputs, opto isolated, max. 50mA
POWER	
External Power Supply	USB or PoE (optional) or 240/110 V AC/DC adapter
Operating Power	USB only version: 3 W, PoE version: 6 W (RF-Power 500 mW) One-Series: USB only version: 4 W, PoE version: 7 W (RF-Power 1W)
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	540 g (19.0 oz)
ENVIRONMENT	
Operating Temperature	-20 °C to 55 °C (-4 to 130 °F)
Storage Temperature	-40 °C to 85 °C (-40 to 185 °F)
Environmental sealing	IP20, for indoor use only

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

The device meets the needs of a global organisation through its EPC Class 1 Gen 2 with multi-regional 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 sensor.

The optional near-field antenna with a reading distance from 0 to 20 cm, is an excellent choice for item level inventory that can be performed faster and with more accurate results. With the GPIO port, the reader functions can be controlled by external switches and triggers, and the surrounding environment e.g. gates, can be controlled by the reader.

With the Nordic ID Sampo the retail environment has a champion performer that optimizes intuitive use with flat and sleek design.

PRODUCT HIGHLIGHTS

- High performance UHF RFID reader / writer
- Trigger sensors
- Adjustable reading range
- Autosensing inventory parameter possibility
- Fast and easy software integration
- Flat and elegant design
- Powered by USB, Ethernet (optional) or external power supply
- 2 years warranty

SOFTWARE APPLICATIONS

- RFID Demo Software for testing reader capabilities
- RFID Configurator software for configuring the reader

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
- RFID gates
- EAS

All information is subject to change without prior notice.

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About LOGISCENTER

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Our customers come first. Our objective is not only selling our products but also holding a long-lasting relationship with our customers, based on the benefits and advantages we create for you and your company.

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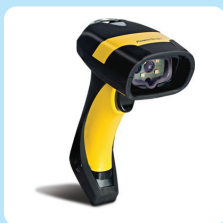
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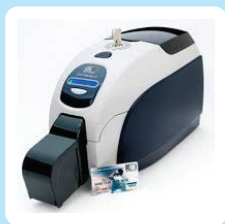
Label printers



Barcode readers



Data terminals & PDA



PVC card printers



RFID



Consumables
(labels, ribbons, PVC cards)

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