NORDIC ID EXA21

Meet the Nordic ID EXA21 – The versatile UHF RFID reader that is easily connected to any compatible Android/iOS Smart Device or to Windows 10 PC via Bluetooth low energy. Its lightweight, compact, and ergonomic design makes on-the-go data reading easier and more comfortable than ever before.

Nordic ID EXA21 can be fastened in various ways: on the back of a POS card reader, worn with the wrist strap, on your belt with the clip or installed where the optical sensor can trigger a read. This allows you to keep both of your hands free so you may work with ease.

Nordic ID EXA21 offers optimal read ranges for its primary use cases: flexible checkout transactions, easy in-store item location and instant shipping incident reporting. Its smart sensors extend battery life and trigger RFID reading. We raise the convenience of RFID reading to the next level.

| UHF RFID | Windows 10 | Bluetooth | Android | iOS |

RFID IDENTIFICATION

Supported standard	ISO 18000-63 (EPC Class 1 Gen2)
Frequency	ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz
RF radiated power	25 mW ERP
Antenna features	Circular polarization Reading range up to 0.5 m / 1.6 ft
Typical reading speed	200 tags per second

PLATFORM

RFID	Nordic ID NUR-0W1 reader module
Operating system	2nd generation embedded IoT platform
Sensors	Accelerometer and time of flight sensor (optical trigger)

USER INTERFACE

Keys	Power and Trigger buttons
Sensor	Proximity detection (ToF)
User feedback	RGB LED

CONNECTIVITY

Wireless PAN	Bluetooth 5.0 (Low Energy) Class 2 Supported profiles: GATT, HID Secure Bluetooth pairing supported (using PIN)
PAN	USB 2.0 via USB Type-C connector

POWER

Battery	Rechargeable, non-removable Lithium-Ion battery pack 660 mAh, 3.7 V Usage time up to 8 h
External power supply	Standard USB Type-C charger

SIZE AND WEIGHT

Dimensions	(H) 55 x (W) 52 x (T) 11.5 mm (H) 2.2 x (W) 2.0 x (D) 0.5 inch
Weight	36 g / 1.27 oz

PRODUCT HIGHLIGHTS

- Thin and lightweight UHF RFID reader
- Connect to any smart device effortlessly using Nordic ID Smart Pair
- Built-in smartness enables longer operating times
- Smart automatic reading capabilities for effortless operation
- Enabling distributed mobile PoS applications
- Make check-out queues a thing of the past by enabling mobile payments

SUPPORTED OPERATING SYSTEMS

- Android 5.0 or newer
- iOS 9 or newer
- Windows 10 (UWP)

Note: Bluetooth Low Energy must to be supported by host device

SOFTWARE DEVELOPMENT ENVIRONMENTS

- Android Studio
- Apple Xcode
- Microsoft Visual Studio
- Source code available at:
  https://github.com/NordicID

SERVICE AND SUPPORT

- Free support during and after 2 year warranty time
- Maintenance service and extended maintenance contract
- Software customization and developmentsupport
- Technology, product and integration training
- Technology and project consultation
- Project management services

DROP AND SHOCK

Drop and impact resistance		1.5 m / 4.9 ft
ESD	Contacts	+/- 4kVdc
	Air discharge	+/- 8kVdc

ENVIRONMENT

Temperature	Operating	-10 to +55 °C	-4 to +131°F
	Storage	-10 to +60 °C	-4 to +140 °F
	Charging	0 to +45 °C	+32 to +113 °F
Relative humidity		10 % to 95 % non-condensing	
Environmental sealing		IP65	
Inbox content		Nordic ID EXA21 (battery included) and documentation	

Nordic ID reserves the right to make changes to the information on this data sheet without prior notification. Availability of product variants may vary regionally. Please contact a Nordic ID representative for clarification on specifications and variants.

WARRANTY

- 2 year warranty
- Free technical support during and after 2 year warranty

RAIN RFID

EU DIRECTIVE 2002/96/EC ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

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