nordic id

NORDIC ID EXA51e

Completes the Smartness

Combine outstanding RFID performance with your Smart Device for a seamless UHF RFID experience. With Nordic ID EXA51e retail and logistics markets receive a powerful UHF RFID reader that is compatible with all common operating systems.

What makes Nordic ID EXA51e so powerful is the new Nordic ID NUR2-1W module. Nordic ID EXA51e is easily connected to any Smart Device via Bluetooth low energy and it offers multiple secure fastening options.

The powerful reading performance and long battery life make Nordic ID EXA51e ideal for heavy-duty inventory tasks e.g. in retail and POS.

PRODUCT VARIANTS

WIRELESS CHARGING

QUAD LOCK

UHF RFID	2D Imager Barcode	Blue-tooth	Wireless charging	Android	Windows 10	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	ERP 2W/EIRP 3.3W
Antenna features	Software controlled antenna modes: linear (horizontal & vertical), circular and proximity
Nominal reading distance: Linear polarization mode 10 m/33 ft, circular polarization mode 6 m/20 ft, proximity mode, read range down to 1 cm/0.4 inch
Max receive sensitivity	-77 dBm
Typical reading speed	Up to 1000 tags/s

BARCODE IDENTIFICATION

2D imager	All major 1D barcodes and 2D codes
High visibility LED aimer
2 character pre and post fixes, padding, replacement
Enhanced aiming mode (automatic switching between scan line / aiming dot)
Configurable scan alert sounds

PLATFORM

RFID	Nordic ID NUR2-1W reader module
Operating system	Embedded IoT platform

USER INTERFACE

Keys	Power and Unpair a Bluetooth device
Trigger button

PRODUCT HIGHLIGHTS

- Cutting edge UHF RFID reading sensitivity and reading speed
- Effortlessly connect any existing smart device to the RFID reader via Bluetooth Low Energy
- Ergonomic design due to lightweight and balanced weight distribution
- Effortless and secure locking mechanism for smart devices
- Operates a full working day on a single charge
- Nordic ID Smart Pair for effortless connectivity

SUPPORTED OPERATING SYSTEMS

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

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

SOFTWARE DEVELOPMENT ENVIRONMENTS

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

User feedback	3 LEDs and buzzer			
COMMUNICATION				
Wireless PAN	Bluetooth 4.2 (Low Energy) Class 2 Supported profiles: GATT, HID			
POWER				
Battery	Rechargeable, removable Lithium-Ion battery pack 7000 mAh, 3.7V Up to 14 h in intensive use			
Charging of EXA51	Charging over cradle (0 to100 %) 5 h Charging over micro USB connector (0 to 100 %) 5–10 h			
Charging of host device	Qi wireless charging supported (not available in Quad Lock version) Maximum charging power 5 W Charging from cradle via USB cable Adaptive charging power (4–7W) based on charge level of EXA51 battery			
External power supply	AC adapter for desktop charger: input 100–240 VAC, 1 A, 50-60 Hz / output 5.2 VDC, 3 A, 15 W / Power adapter for EU, UK or US			
SIZE AND WEIGHT				
Dimensions	(H) 196 x (W) 83/91 x (D) 21/135 mm (H) 7.7 x (W) 3.3/3.6 x (D) 0.8/5.3 inch			
Weight	490g / 17.3 oz			
DROP AND SHOCK				
Drop and impact resistance	1.5 m / 4.9 ft			
ESD	Contacts Air discharge	+/- 4kVdc +/- 8kVdc		
ENVIRONMENT				
Temperature	Operating Storage Charging	-20 to +55 °C -20 to +60 °C 0 to +45 °C	-4 to +131°F -4 to +140 °F +32 to +113 °F	
Relative humidity	10 % to 95 % non-condensing			
Fastening options	Magnets, screws or Quad Lock (not available in wireless charging version)			
Environmental sealing	IP54			
Inbox content	Nordic ID EXA51e, counter parts of magnets, screws and Safety & Regulations guide			

All information is subject to change without prior notice. Availability of product variants may vary regionally.

ENVIRONMENT

- Maintenance service and extended maintenance contract
- Software customization and development support
- Technology, product and integration training
- Technology and project consultation
- Project management services

WARRANTY

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

RAIN RFID

CE

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

Kreski

Zapraszamy do kontaktu!
Więcej informacji: www.kreski.pl