

Completes the Smartness

Meet the Nordic ID EXA31 – the compact and lightweight UHF RFID reader that is easily connected to any Smart Device via Bluetooth low energy. Its compact ergonomic design make on-the-go / in motion data collection tasks easier and more comfortable.

The Nordic ID EXA31 can be fastened in various ways, even allowing you to keep your hands free so you can fully concentrate on work tasks. This UHF RFID reader is an ideal fit for picking operations and access control management solutions that require the use of both hands.

Nordic ID EXA31 offers optimal read ranges for your specific use cases.



UHF RFID



2D Imager
Barcode



Blue-
tooth



Android



iOS

RFID IDENTIFICATION

Supported standard	ISO 18000-63 (EPC Class 1 Gen2v2) AES authentication in accordance with ISO/IEC 29167-10 supported
Frequency	ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz
RF radiated power	160mW ERP
Antenna features	Circular polarization Reading range up to 2 m / 6.6 ft
Typical reading speed	200 tags per second

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
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PLATFORM

RFID	Nordic ID NUR-05WL2 reader module
Operating system	Embedded IoT platform

USER INTERFACE

Keys	Power, Connect and Trigger button
User feedback	3 LEDs, buzzer and haptic

COMMUNICATION

Wireless PAN	Bluetooth 4.2 (Low Energy) Class 2 Supported profiles: GATT, HID
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POWER

Battery	Rechargeable, removable Lithium-Ion battery pack 1200 mAh, 3.7V Usage time up to 8h
Charging	Charging over micro USB connector (0 to 100%) 4 h
External power supply	USB charger (sold separately)

PRODUCT HIGHLIGHTS

- Compact and lightweight UHF RFID reader
- Easily connect any smart device to the RFID reader via Bluetooth low energy
- Can be fastened so that both hands remain free for work tasks
- Long operating time with a single charge

SUPPORTED OPERATING SYSTEMS

- Android 5.0 or newer
- iOS 9 or newer

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

SOFTWARE DEVELOPMENT ENVIRONMENTS

- Android Studio
- Apple Xcode
- 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 development support
- Technology, product and integration training
- Technology and project consultation
- Project management services



SIZE AND WEIGHT

Dimensions	(H) 77 x (W) 48 x (D) 24 mm (H) 3.0 x (W) 1.9 x (D) 0.9 inch
Weight	75 g / 2.65 oz

DROP AND SHOCK

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

ENVIRONMENT

Temperature	Operating	-20 to +55 °C	-4 to +131°F
	Storage	-20 to +60 °C	-4 to +140 °F
	Charging	0 to +45 °C	+32 to +113 °F
Relative humidity	10 % to 95 % non-condensing		
Inbox content	Nordic ID EXA31 (battery included) and documentation		

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

