

# NORDIC ID NUR INNOVATION BOARD

## NORDIC ID NUR UHF RFID READER MODULE – INNOVATION BOARD

Nordic ID UHF RFID innovation board is a complete platform that provides an easy way to evaluate our powerful Nordic ID NUR embedded modules. The innovation board supports all the features of the Nordic ID NUR module in design to enable developers a complete development platform at a low price level.

The Nordic ID NUR UHF RFID reader module innovation board is also available as Nordic ID NUR Devkit v2. The Devkit includes all components, including antennas and cables, that you need for evaluating and developing a complete system.



### PRODUCT VARIANTS

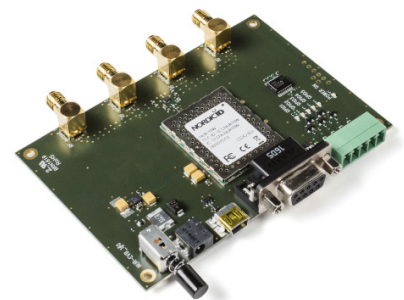
NORDIC ID NUR-10W



NORDIC ID eNUR



NORDIC ID NUR innovation board



UHF RFID	
RF Power	Nordic ID NUR-05WL2 innovation board v2: +27 dBm (500 mW) adjustable in 1 dB steps Nordic ID NUR-10W innovation board v2: +30 dBm (1000 mW) adjustable in 1 dB steps
Typical reading speed	200 tags / sec
RFID Protocol support	ISO 18000-63 (EPC Class 1 Gen2v2)
Frequency	ETSI 865.6 – 867.6 MHz FCC / IC 902 – 928 MHz
Regulatory	CE ETSI EN 302 208 CE ETSI EN 301 489 FCC part 15.247 IC RSS-210 Safety IEC 60950-1
INTERFACE	
Communication interface	USB 2.0 full speed / mini USB UART / D-sub 9
Antenna	4 x SMA connectors, 50 Ω / VSWR <1.5:1
GPIO	5 pcs / 3.3 V (2 GPIO's reserved for antenna switch / Pin-header)

### SOFTWARE DEVELOPMENT

- Ready-to-use Nordic ID NUR API that provides full control over the module
- Application can be written in C/C++ and .NET languages

### FULL NORDIC ID NUR DEVKIT V2 INCLUDES:

- Nordic ID NUR innovation board
- USB cable
- RS232 serial cable
- Universal power supply
- 1m antenna cable
- Nordic ID Sampo S0 UHF RFID antenna
- Nordic ID SA0506 UHF RFID antenna
- Sample tags
- NUR API
- Quick guide
- PC software

## NORDIC ID NUR UHF RFID READER MODULE – INNOVATION BOARD

POWER		
Supply Voltage	4.5 to 5.4 VDC (typical 5.2 VDC) Power switch for turning device ON/OFF	
SIZE		
Dimensions	W 106 x L 72 x H 13 mm / W4.17 x L 2.83 x H 0.51 inch	
ENVIRONMENT		
Operating Temperature	-20 °C to 55 °C	-4 to 130 °F
Storage Temperature	-40 °C to 85 °C	-40 to 185 °F

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

Nordic ID NUR embedded module is also available in the following types of versions:

### NORDIC ID NUR UHF RFID – SMD EMBEDDED READER MODULE

- Extremely small footprint SMD UHF RFID reader module

### NORDIC ID ENUR – PCB EMBEDDED MODULE

- For fast and easy integration on new and existing systems