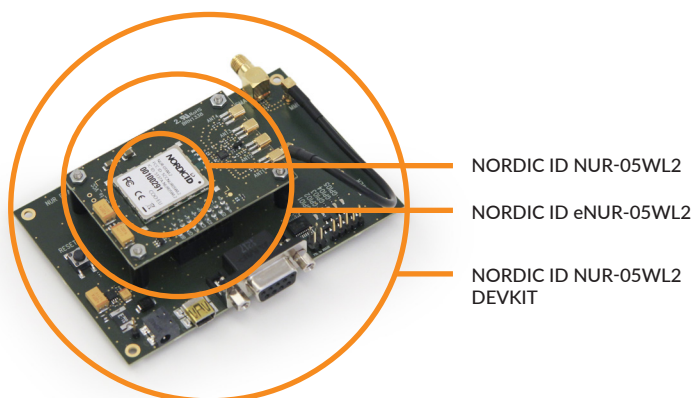


The NUR RFID module is developed by Nordic ID and is available for anyone wishing to build their own RFID reader solution. We provide the module in different formats; as an SMD component or mounted on a PCB for easier integration.

For development purposes, the development kit provides the fastest way to test the module capabilities and to start the software development.



PRODUCT VARIANTS

NORDIC ID NUR-05WL2



NORDIC ID eNUR-05WL2



NORDIC ID NUR-05WL2 DEVKIT



UHF RFID

RF Power +27 dBm (500 mW) adjustable in 1 dB steps

Typical reading speed 200 tags / sec

RFID Protocol support EPC class 1 gen2v2 (ISO 18000-63)

Frequency ETSI 865.6 – 867.6 MHz
FCC / IC 902 – 928 MHz
Built-in region support for Japan, Malaysia, China, Brazil, New Zealand, Australia, India, Korea, Russia, Singapore, Vietnam, Philippines, Thailand, Morocco and Peru. Others can be customized via NUR API.

Regulatory CE ETSI EN 302 208
CE ETSI EN 301 489
FCC part 15.247
IC RSS-210
Safety IEC 60950-1

INTERFACE

Nordic ID NUR-05WL2 Communication interface: USB 2.0 full speed, UART
Antenna: 50 Ω / VSWR <1.5:1
GPIO: 5 pcs / 3.3 V

Nordic ID eNUR-05WL2 Physical connector: 16 (2x8) Pin header connector for power, communication and GPIO's
Communication interface: USB 2.0 full speed and UART (16-pin header connector)
Antenna: 4 x MMCX connectors, 50 Ω / VSWR <1.5:1
GPIO: 5 pcs / 3.3 V (2 GPIO's reserved for integrated antenna switch)

Nordic ID NUR-05WL2 Devkit Communication interface: USB 2.0 full speed / mini USB, UART / D-sub 9
Antenna: 4 x MMCX connectors, 50 Ω / VSWR <1.5:1, 1 x MMCX to SMA converter
GPIO: 5 pcs / 3.3 V (2 GPIO's reserved for antenna switch / Pin-header)

PRODUCT HIGHLIGHTS

- High performance with +27dBm output power, adjustable in 1dB steps
- Low power consumption
- UART and USB 2.0 communication
- Antenna autotuning
- Autosensing inventory parameter possibility
- 5 programmable GPIO with event trigger
- Selectable receiver decoding, link frequency and transmitter modulation (ASK/PR-ASK)

ENVIRONMENT

- Free support during and after 1 year warranty time
- Software customization and development support
- Technology, product and integration training
- Technology and project consultation
- Project management services

SOFTWARE INTERFACE	
Software Development	Ready-to-use Nordic ID NUR API that provides full control over the reader in various Windows, Linux and Android OS environments Applications can be written in C/C++, .NET and Java languages NUR protocol over serial connection
POWER	
Operating Power	2.9 W (max at 3.6 VDC)
Supply Voltage	For Nordic ID NUR-05WL2 and Nordic ID eNUR - PCB Embedded Module: 3.4 to 5.4 VDC (typical 3.6 VDC) For Nordic ID NUR-05WL2 Devkit: 4.5 to 5.4 VDC (typical 5.2 VDC)
SIZE AND WEIGHT	
Dimensions	Nordic ID NUR-05WL2: W 25 x L 20 x H 2.5 mm (W 0.98 x L 0.79 x H 0.1 inch) Nordic ID eNUR-05WL2: W 44 x L 62 x H 4 mm (W 1.73 x L 2.44 x H 0.16 inch) (excluding pin-header connector) Nordic ID NUR-05WL2 Devkit: W 106 x L 72 x H 25 mm (W 4.17 x L 2.83 x H 0.98 inch)
Weight	Nordic ID NUR-05WL2: 2.5 g (0.09 oz) Nordic ID eNUR-10W: 10 g (0.35 oz) Nordic ID NUR-10W Devkit: 64 g (2.26 oz)
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.



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