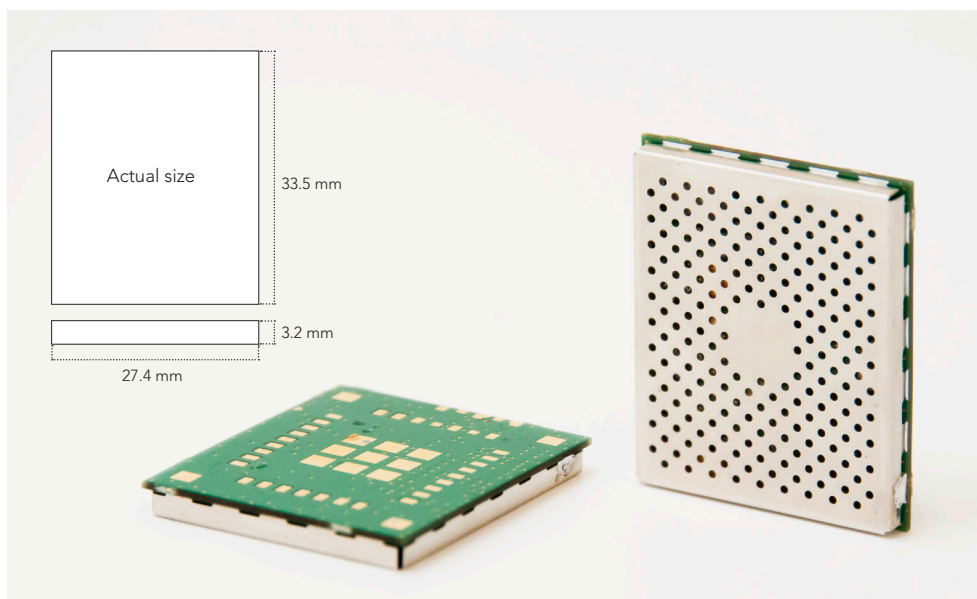


NORDIC ID UHF RFID READER NUR-05W



NUR-05W is a compact UHF RFID reader/writer module. Its small footprint, SMD, low power consumption and high RF output makes it an outstanding choice for everything from simple mobile readers to port readers with multiple antennas.

NUR-05W is compatible with the EPC C1G2 (ISO18000-6C) standard. The module meets the requirements of ETSI, FCC and IC radio regulations. NUR-05W is also compatible with the DRM (dense reader mode) requirements.

PRODUCT HIGHLIGHTS

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

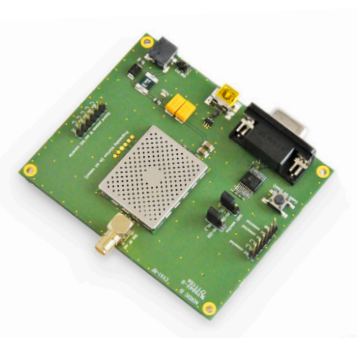
SOFTWARE DEVELOPMENT

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

APPLICATION

- Item / pallet / container level tracking
- Inventory
- Counterfeiting
- Brand protection

All information is subject to change without prior notice.



NORDIC ID UHF RFID READER (NUR-05W) ATTACHED TO THE EVALUATION BOARD

UHF RFID	
RF Power	+27 dBm (500 mW) adjustable in 1 dB steps
Typical reading speed	150 tags / sec
RFID Protocol support	EPC class 1 gen2 (ISO 18000-6C)
Frequency	ETSI 865.6 – 867.6 MHz FCC / IC 902 – 928 MHz Built-in region support for Japan, Malaysia, China, Brazil, New Zealand and Australia. 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
SIZE AND WEIGHT	
Dimensions	W 33.5 x L 27.4 x H 3.2 mm (W 1.32 x L 1.08 x H 0.13 inch)
Weight	5.5 g (0.19 oz)
INTERFACE	
Communication interface	USB 2.0 full speed UART
Antenna	50 Ω / VSWR <1.5:1
GPIO	5 pcs / 3.3 V (5 V tolerant)
POWER	
Operating Power	2.6 W (max)
Supply Voltage	5.0 to 5.5 VDC
ENVIRONMENT	
Operating Temperature	-20 °C to 55 °C (-4 to 130 °F)
Storage Temperature	-40 °C to 85 °C (-40 to 185 °F)

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