DATASHEET

NORDIC ID AR55





UHF RFID	
Supported standard	ISO 18000-6C (EPC Class 1 Gen 2)
Frequency band	ETSI 865.6 - 867.6 MHz or 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
Typical reading speed	200 tags/ sec in DRM-mode
Radiated power	33 dBm (2 W) ERP
Integrated antenna	Radiation beams: 18 Polarization: Dual-Linear 3dB Beam width: 45 ° Beam steering: ± 30 °
Floor coverage area per reader	Max. 2 x installation height
External antenna port	3 pcs. 50 Ω / SMA Female
USER INTERFACE	
Indicators	4 pcs (programmable) leds
CONNECTIVITY	
LAN PAN	Ethernet 10/100 Mbit USB 2.0 device (appears as a serial port), type B
Wireless LAN (optional)	IEEE 802.11 b/g/n
POWER	
External Power Supply	PoE 802.3af or 240/110 V AC/DC adapter
Operating Power	8 W PoE, 6.5 W DC
SIZE AND WEIGHT	
Dimensions	405 x 405 x 68 mm (without installation parts)
Weight	2.2 kg / 2.46 kg with optional AC/DC power supply
ENVIRONMENT	
Operating Temperature	-20 °C to 55 °C (-4 to 130 °F)
Storage Temperature	-40 °C to 85 °C (-40 to 185 °F)
Environmental sealing	IP20, for indoor use only
Mounting	VESA 75/100 Compatible
SOFTWARE DEVELOPMENT INTERFACE AND TOOLS	
Software development	Ready-to-use Nordic ID NUR API that provides full control over the reader Application can be written in C/C++ and .NET languages* Compatible with existing Nordic ID fixed readers
Software Applications (optional)	RFID Configurator software for configuring the reader, RFID Demo

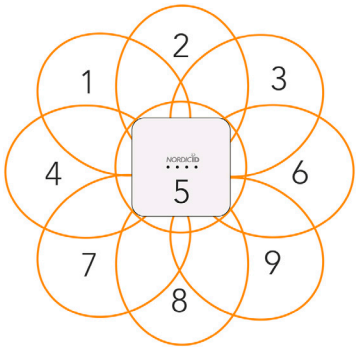
*Linux, Java environment

Nordic ID AR55 (Area Reader) brings powerful, automated RFID reading performance. The beams achieved with the antenna structure in the reader maximize the reading accuracy and enable reading in large areas. The Nordic ID AR55 can be used in building RFID-based gate solutions and monitor a designated area.

PRODUCT HIGHLIGHTS

- Tracking location and movement are achieved with multiple beams
- Efficient inventory performance through wide area reading
- Wlan brings less cabling work in the environment
- Adjustable reading area through individually and easily configurable beams

BEAM PATTERN



All information is subject to change without prior notice.

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