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DATASHEET

NORDIC ID AR55

Nordic ID AR products can be used for real-time item-level inventory and detecting location and movement.

UHF RFID | WLAN | Ethernet | USB | PoE | LED indicators

UHF RFID	
Supported standard	ISO 18000-63 (EPC Class 1 Gen2 V2)
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. 100 m² (2 x installation height)
External antenna port	3 pcs. 50 Ω / SMA Female
USER INTERFACE	
Indicators	4 pcs (programmable) leds: Power, Communication, RFID on and Error
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	(W) 405 x (L) 405 x (H) 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

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

ENVIRONMENT

- 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

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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

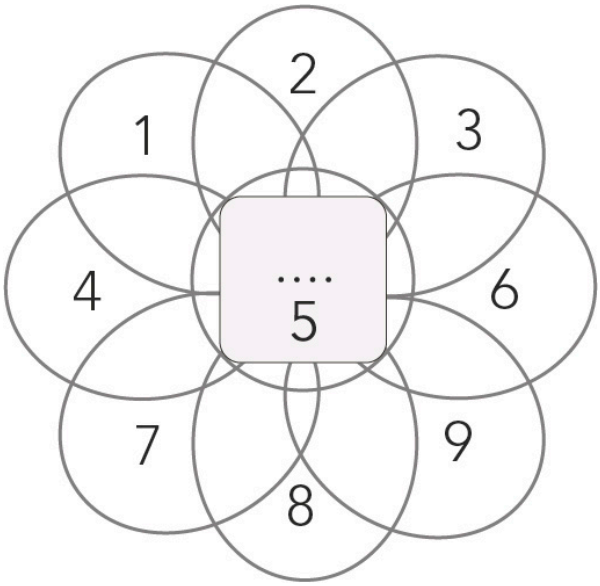
CE

EU DIRECTIVE 2002/96/EC ON WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE)

All information is subject to change without prior notice.

*Linux, Java environment

BEAM PATTERN



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