

KATHREIN

ARU 2400: RAIN RFID Antenna Reader Unit, 865-868MHz int. + 3 ext. Ant., PoE, GPIO

Kathrein ARU2400, the RAIN RFID Antenna Reader Unit, is the powerful reader with an innovative connection concept

The reader inside the ARU-2400 has excellent technical characteristics. The powerful RAIN RFID interface known from Kathrein and the robust design are also present in this 27-dBm-class reader. For this reason, the reader can be used in various applications. It is particularly in the areas of Industrial Automation and Kanban solutions in which the ARU2400 can play to its strengths.



The ARU-2400 provides new mounting and connection options. The housing of the ARU-2400 can easily be installed in existing shelves using the mounting points for the so-called ITEM profiles, which enables quick and cost-effective new installations or retrofitting.

The integrated SMSH High-Gain antenna system with an opening angle of 60°/60° enables extremely selective detection of the transponders in the desired reading field.

Main features of the Kathrein ARU-2400 RFID Antenna Reader

- Quick and easy commissioning
- Performance in the 27-dBm Class
- FAKRA Standard Antenna Connections
- Ready for shelf mounting
- Ready-made cable assembly
- Innovative antenna connections



Technical Description

Functionality & Operation

Antennas, Antenna inputs	internal, 3 mono-static ports
Frequency	UHF: 865 - 868 MHz (EU)
Indicators	Basic LED (1x PWR, 4x ANT)
Communication interface	Ethernet, GPIO, KRAI ©, LLRP
Connectors	Fakra, GPIO
Maximal transmit power	30dBm
Operating system	Linux
Memory	4GB Flash eMMC
Program memory	128MB DRAM
CPU Type	ARMv7-A based, 600 MHz
RFID transponder protocols	EPC Gen 2v2, ISO 18000-63

Electrical

Power Source	PoE+ (Power Over Ethernet spec. 802.3at), 24 VDC
DC resistance	500hm

Mechanical

Color	light grey
Dimensions	Width: 300mm, Height: 300mm Length: 49mm
Weight	1.86kg

Environment

Operating temperature	-20 to 55°C
Ingress protection	IP40
Storage temperature	-40 to 85°C

Others

Certifications	EN 302208-2, CE, RoHS
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