

The Kathrein ARU3500 antenna reader is the next generation of RAIN RFID readers with an integrated 65° wide-range antenna. It is the first choice for professional IoT solutions, such as industrial automation and vehicle identification in ruggedised environments.

Its best-in-class 33 dBm UHF RF unit, optimal connectivity via PoE+ and a second Ethernet port, as well as the powerful, scalable processing unit that changes the way identification works.

Based on the latest RFID standards, such as EPC Gen2v2/ISO 18000-63, Kathrein ARU3500 antenna reader supports all market-leading transponder chip features for security, authentication and encoding.



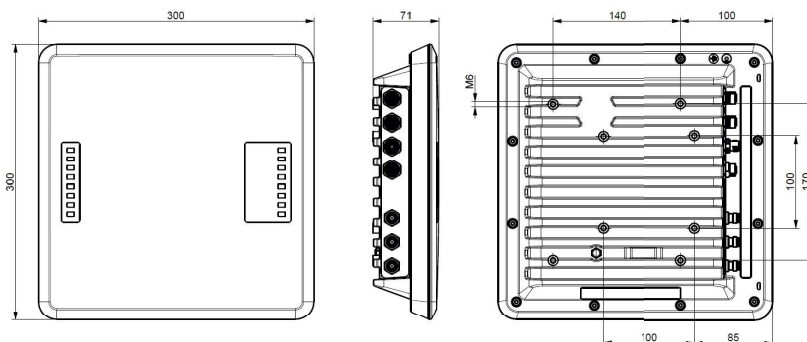
> Features

- ruggedised high-end RAIN RFID reader with an integrated antenna
- powerful IoT gateway
- enhanced RF design
- integrated high secure memory module
- 3 antenna ports
- +33 dBm port power
- GPIO
- PoE+
- basic computing module
- embedded dual-core 800 MHz PC
- open source Linux OS
- advanced LED visualisation
- IP67 outdoor use
- type approval for Europe, US and RoW

> Key Applications

- Manufacturing and Automotive
- Logistics
- Intelligent Transportation Systems

> Dimensions [mm]



> Note

Risk of material damage!

- ▶ Make sure that the depth at which the screws are put into the housing of the reader does not exceed 10 mm (the tightening torque is 5 Nm).

> General Specifications

Type		ETSI Version ARU3500	FCC Version ARU3500
Order number		52010292	52010300
GPIO			
Type		3 inputs, 3 outputs (double insulation possible)	
Max. input voltage	[V]	30	
Max. output voltage	[V]	30	
Max. current per output port	[mA]	500	
Max. current over all outputs	[mA]	1500	
Connector		M12, A-coded, 12-pole	
RFID controller			
Processor		ARMv7-A based processor with 600 MHz	
Flash memory eMMC	[Gbyte]	4	
RAM DDR2	[Mbyte]	128	
Operating system		Linux	
Mechanical properties			
Weight	[kg]	4.26	
Degree of protection		IP67	
Operating temperature range	[°C]	-20 to +55	
Storage temperature range	[°C]	-40 to +85	
Dimensions (L x W x H)	[mm]	300 x 300 x 71	