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Kathrein Solutions passive UHF RFID Reader Hardware includes stationary reader and antennas with a read range from a few centimetres up to several meters. With those high end devices logistics, industrial automation, healthcare and vehicle identification applications can be covered.

Kathrein Solutions Reader Portfolio							
Type	RRU 1400	ARU 2400	ARU 3500	RRU 4500	ARU 7700	RRU 7700	ARU 8500
Specifications	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant						
Air interface protocol	RAIN RFID / ISO 18000-63 and EPCglobal Gen2v2 compliant						
Integrated antenna		1	1		1		3 (direction detection)
Ports for ext. antennas	4	3	3	4	3	4	3
Read zone with ©KRAI ¹⁾	32	25	-	32	-	32	-
Transmit power [max. dBm]	+30	+30	+33	+33	+33	+33	+33
Sensitivity [dBm]	typ. -80	typ. -70	typ. -93	typ. -93	typ. -80	typ. -80	typ. -80
Tag per-second	500	500	1.000	1.000	1.000	1.000	600
Processor speed	ARMv7-A based processor with 600 MHz			ARMv7-A based processor, 2 cores @ 800 MHz			
Flash memory eMMC [Mbyte]	4.000	4.000	8.000	8.000	8.000	8.000	8.000
RAM DDR2 [Mbyte]	128	128	1.000	1.000	1.000	1.000	1.000
Ethernet ports	1	1	2	2	2	2	2
GPIO - Input/output	2/2	2/2	4/4	4/4	4/4	4/4	4/4
LED visualisation	4	4	4 + 8	4 + 8	4 + 8	4 + 8	4
Degree of protection	IP40	IP40	IP68*	IP68*	IP67*	IP67*	IP40
Wireless interfaces			WiFi, BLE, 5G, GNSS	WiFi, BLE, 5G, GNSS			
Key characteristics							
RFID performance							
Network & security							
Connectivity							
Use case							
Manufacturing and Automotive	✓	✓	✓	✓	✓	✓	
Logistics	✓	✓	✓	✓	✓	✓	✓
Track & Trace	✓	✓		✓	✓	✓	✓
Intelligent Transportation Systems			✓	✓	✓	✓	
Healthcare	✓	✓		✓		✓	✓