

UHF



R620

UHF reader 'Standalone'

- Long-range high-speed tag reading
- Standalone function with web interface
- Robust, fully sealed metal housing
- Relays, parallel I/O
- Supports up to 4 antennas

Description

Scirocco's 'Standalone' reader R620 can work as a central unit in an autonomous access system. Together with antennae A100 or A110, it offers a high-capacity reading zone for capturing tags at large distance and high speed. Up to 4 antennas can be connected. R620 provides standalone access with white-list, time control and sense-logic and operates via Ethernet TCP/IP with DHCP or static IP.

The functionalities are accessed via a web interface (HTTP) over TCP/IP and are presented in a standard Internet browser such as MS Internet Explorer. Plain text commands and XML responses give fast host updates. R620 features 2+2 parallel I/O and two built-in relays and is housed in an all-weather, sealed metal housing. The reader conforms to the latest ETSI legislation with 4 channel operation and also conforms to the ISO 18000-6C (C1G2) UHF standard, which guarantees interoperability with C1G2 compatible tags.

Technical data

Operating frequency	4 channels within the 865 - 868 MHz band
Read range with tags T100/T200/T500	7 - 10 m with antenna A100 and four metre antenna cable
Zone width at 3.0 m distance	3 m with antenna A100
Reading rate	170 reads/s (EPC 96 bits), 40 reads/s (TID)
Interfaces	HTTP over Ethernet TCP/IP with DHCP or static IP, 2+2 I/O, two relays
Input voltage and power consumption	10 – 30 Vdc, 12 W reading/writing, 3 W idling
Antenna connection	4 x TNC female
Dimensions and weight	160 x 218 x 46 mm, 1.5 kg
Temperature	-20 to +50 °C (operating), -40 to +50 °C with heater option. -30 to +85 °C (storage)
Humidity	95%, non-condensing
Protection class	IP 65
Vibration	6g (0.02 g ² /Hz, 0.5h x3 dir, 10-2000 Hz)
Electromagnetic compatibility	EN 301 489-1, EN 301 489-3
Radio regulation and -protocol	EN 302 208-1, EN 302 208-1-2 and ISO 18000-6C (C1G2)
Indicators	LEDs indicating antenna select/reading status and connected power
Cover	Aluminium housing with flanges for M5 screws

Key data

Read distance	10 m
Passage speed T100/T200/T500	200 km/h
Max number of tags in white-list	1 000

Order data

UHF Reader 'Standalone'	R620
Power and com cable	A20
I/O cable	A21
Antenna cable	A40, A41