prima

Datasheet

Nexus UHF reader with an additional antenna for parking barrier gates

Nexus UHF reader

Nexus UHF antenna

Technical data	
Transmit frequency ETSI	865~868MHz *
Transmit frequency FCC	902~928MHz *
Supply type	PoE+ according to 802.3at (35–57) **
Power consumption	12.5 W
Communication	10/100 Ethernet
Connector	M12, X-coded, 8-pole
Impedance antenna port	50 Ohm, 3 ports
Max. TX power conducted/radiated	30 dBm / 33 ERP (ETSI), 36 EIRP (FCC)
RX sensitivity	typ. –80
Antenna half-power beam width	65°
Antenna gain	8.5 dBi circular polarization
Supported cards	Higgs Series, other ***
Reading range	Up to 6m (20° antenna downtilt, 2.5m antenna height)
Operating temperature	–20°C to +55°C
Storage temperature	–40°C to +85°C
Wiring and cable installation	
Ethernet/PoE+ Cable length	10 m
Assembly at the Ethernet cable head	1 x M12 male connector (IP67), 1 x RJ45 (IP20)
Accessories	
Wall/pole mount kit adjustment elevation / azimuth ****	±45° / ±45°
Technical data - antenna	
Reading range	Up to 6 m (20° antenna downtilt, 2.5 m antenna height)
Connection	TNC female
Antenna Cable length	1 m
Features	
LED indicator	Yes
Housing	
Reader size	W: 300 mm × H: 300 mm × D: 71 mm
Antenna size	W: 300 mm × H: 300 mm × D: 49 mm
IP protection	IP67
Colour	Grey, RAL7035
Weight	4 kg (reader), 1.1 kg (wall/pole mounting kit), 2x 1.2 kg (pole mounting adapter), 1.7 kg (antenna)

* ETSI-version standards: EN302208-2 V2.1.1, EN301489-3, EN50364, EN62368-1, EN60529, EPC; FCC version standards: FCC Part15, UL, IC, EPC Gen2 V2, UCODE DNA.

** PoE injector is not included; make sure that the router/switch supports 30 W in the static mode; use a Cat 6 cable or a higher-level cable. Note that the internal supply of GPIO-VCC-pin is not possible with PoE+.

*** Other compatible cards are on request.

**** Mounting pole is not included.