



UHF Reader EDGE-60R

The EDGE-60R has the technology and performance of the M6 module with an industrial strength encapsulation in a single reader, designed to withstand the harshest environments, ideal for vehicle identification systems, assets, among others.

Product Code: Cable 30 m -100.183 | Cable 5 m - 100.189

• Technical Specifications

Transponder Protocols

• Protocols	ARTIFACT SJ5511 v.1.0 IAV DENATRAN G0 v.1.0.0 EPC Gen2 (ISO 18000-6C) ISO 18000-6B iPICO IPX
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Tested and implemented customized commands

• Artifact Protocol SJ5511 v.1.0	Activate_Secure_Mode Authenticate_OBU
• IAV DENATRAN Protocol G0 v.1.0.0	Activate_SINIAV_Mode OBU_Auth_ID OBU_Auth_Full_Pass1 OBU_Auth_Full_Pass2 OBU_ReadFromMemMap OBU_WriteToMemMap
• EPC Gen2 (ISO 18000-6C)	All the obligatory commands (Read, Write, Lock, ReadMemBlock, WriteMemBlock, etc)

RF Interface

• RF power output	Separate write and read levels. From 5 dBm to 30 dB with 0,5 incrementing.
• Regulation	Pre-configured for the following regions: ANATEL (BR) 902 - 907 MHz e 915 - 928 MHz FCC (NA) 902 - 928 MHz ETSI (EU, IN) 865,6 - 867,6 MHz
• Mode	Frequency Hopping or Fixed Frequency (Configurable frequencies table)
• RF Modulation	PR-ASK
• RF Codification	FM0
• Backscatter Link Frequency (BLF)	320 kHz e 640 kHz

Data / Control Interfaces

• Connectors	Industrial connector M23 for communication and power supply
• Data communication	RS-232, RS-485, RS-422 Full-Duplex point to point with no direction. TCP/IP (10/100 Mbps)

• Communication protection	Voltage transient protection (TVS). Overcurrent protection with Thermistor PT
• Programming	API for C, Net e Java, along examples with source code. Comes swith software for reading tests.
Energy	
• Power Supply	CC power: Recomendad 24 Vcc Max Ripple: 25 mVpp
• CC consumption	Max 2A With max level of 30 dBm.
Physical aspects	
• Protection rate	IP66
• Integrated antenna	12,5 dBi gain, linear polarization Horizontal or Vertical.
• Max read distance*	Up to 9 m with integrated antenna of 12,5dBi
• Dimensions	450 x 450 x 79 mm
• Weight	6 Kg ±0,5 Kg
• Operation Temperature	-10°C a + 65°C
• Storage Temperature	-10°C a + 70°C
• Fixation	With back support for circular pole or flat surfaces

* The reading distance may vary according to tag, antenna, cable and environment of use of the reader.

• Dimensions [mm]

