



UHF EDGE-40R-N AutoID Reader



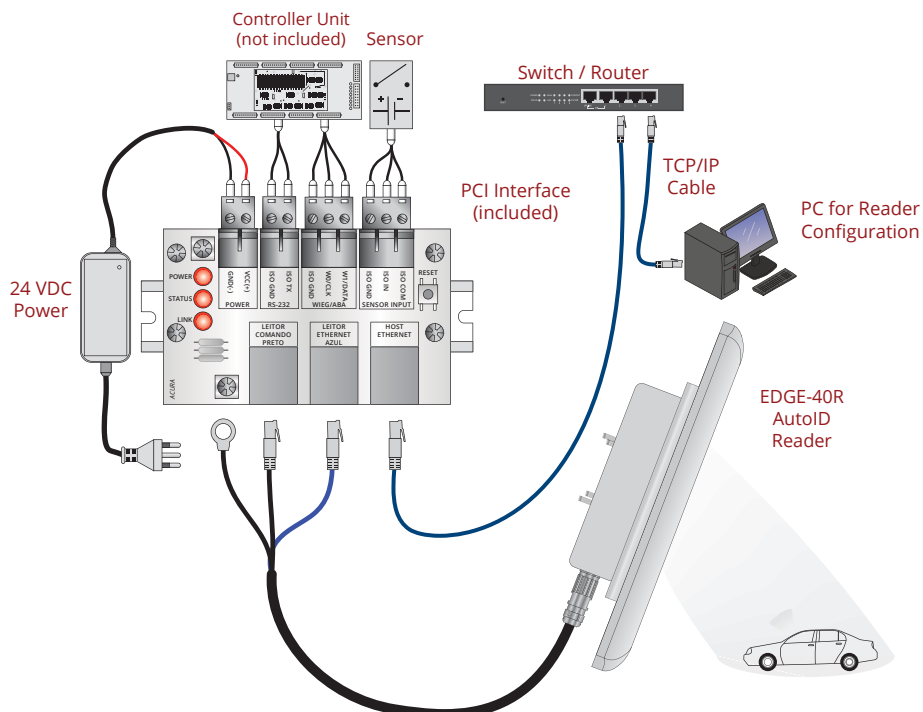
Purchase Code: 100.472

Homologação
03179-18-08437 ANATEL

Resources

The EDGE-40R-N is a RFID UHF reader with excellent reading performance. Its features and functionalities are great for Vehicle Access Control solutions, and It has the main communication protocols used in the market.

General Diagram





UHF EDGE-40R-N AutoID Reader

Features

- ✓ IP66 rating allow external environments;
- ✓ Integrated Antenna;
- ✓ Compact and Robust;
- ✓ Easy installation;
- ✓ Plug & Play;
- ✓ Wiegand (26/34 bits);
- ✓ Abatrack (10/14 digits);
- ✓ RS-232;
- ✓ Ethernet TCP/IP;
- ✓ Autoid Secure.

Technical Specifications

Transponder Protocols

Protocol	ISO 18000-6C (Gen2)
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RF Interface

RF Power Output	0 to 27 dBm with 0,5 dBm step
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Compliance	ANATEL (BR) 915 - 928 MHz
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Mode	Frequency Hopping / 250 kHz
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RF Modulation/Cod.	PR-ASK/ Miller4 (M4)
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Performance

Tag Read Distance*	8 m with 9dBic integrated antenna (36dBm EIRP)
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Control/Data Interface

Connectors	Industrial M23 16 pins Straight Connector IP66 (connected)
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Ethernet	Data rate: 10/100 Mbps 1.5 kVCA galvanic isolation
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Wiegand/Abatrack	Wiegand 26 and 34 bits / Abatrack 10 and 14 digits 1.0 kVrms galvanic isolation
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Serial RS-232	Baudrate from 19200 to 115200 bps 2.5 kVrms galvanic isolation
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1x Opto-Isolated Digital Input	1 kVrms fully isolation Dry contact and Wet contact, NPN (Sinking) or PNP (Sourcing). Minimum pulse width: 100 ms High Level (3.0 ~ 24.0 VDC), Low Level (0 ~ 2.0 VDC)
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2x Opto-Isolated Digital Output	(not using Wiegand/Abatrack) 1.0 kVrms galvanic isolation, High Level 5 VDC, max 50 mA (driver required to trigger relays)
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Shielded Cable	8 twisted pairs 24AWG (UTP) Cover: compact polyethylene External diameter: 12 mm ± 0.2 mm
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Programming	Requires no SDK or API, the reader works on an autonomous mode, sending the reading results via Ethernet, RS-232, Wiegand or Abatrack
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Power

DC Power requirement	DC Voltage: 12 ~ 30 VDC, typical: 24 VDC ± 1%
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DC Power consumption	Max 15 W
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Mechanical/ Environmental

Water and Dust Tightness	IP66 (with M23 correctly attached)
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Integrated Antenna	9 dBic gain, circular RHCP 63° ± 1° (Elevation), 63° ± 3° (Azimuth)
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Dimensions	308 x 308 x 79 mm
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Operation temp.	-10°C to +65°C
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Weight	3.6 kg
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Product Code:

100.472: EDGE-40R-N;

Accessories Code:

100.331: Cable 20 m;

100.332: Cable 30 m;

100.324: PCI Interface Edge-40R;

500.849: Power 24 V.

* The reading distance may vary by tag type, cable and environment.

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