

UHF reader ERUI



The Elatec ERUI Series is a new GEN2 modularly designed reader system which allows the user to select a wide range of different function blocks to obtain an optimized solution for today's RFID challenges.

The ERUI Series is targeted to the next generation of RFID UHF applications to solve problems in the supply chain and in the manufacturing area. Key segments are the Automotive Industry, Automation Systems, Telecommunications and Logistics. The ERUI Series is based on the Impinj Indy R1000 RFID UHF Chipset to provide highest performance with essential reduction of system costs.

Electrical:	ECE Version	US Version
Frequency range	865-868 MHz	902-928 MHz
Output power	+ 30 dBm	+ 30 dBm conducted (FCC)
Protocols	EPC Class1 GEN2/ISO 18000-6C	
Nominal impedance (antenna)	50 ohms	
LBT Sensitivity	-96 dBm	
Antenna interface	4 Port TX/RX interface with TNC-reverse (male) connectors	
Communication interface	USB, RS422/RS485, Ethernet	
Power supply	+ 24 V DC \pm 10%	
Operating temperature range	-20 °C to +55 °C	
Storage temperature range	-20 °C to +85 °C	
Dimensions	200 x 108 x 81 mm	
Weight	1.32 kg	
Conform to:	EN 302 208-1, EN 301 489-3, CE, ETSI	FCC

Technical Features:

- System compliant to EPCglobal Gen2/ISO 18000-6C standards
- Software-defined radio architecture based on Impinj Indy R1000
- Combined TX/RX antenna ports
- Support LBT Listen before talk (ETSI EN 302 208-1)
- Dense Reader Mode (DRM)
- Modulation modes: DSB, PR-ASK
- Output power range justable from 20 dBm upto 33 dBm (100 mW up to 2 W)

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Elatec GmbH, Identification Systems
 Max-Planck-Str. 16, D-82223 Eichenau, GERMANY
 Phone: +49 8141 53498-0
 Fax: +49 8141 53498-29
RFID@elatec.de

Elatec Vertriebs GmbH
 Hans-Pinsel-Str. 10b, D-85540 Haar, GERMANY
 Phone: +49 89 46 23 070 ;
 Fax: +49 89 460 24 03
info@elatec.de