Idesco EPC 2.0

Passive long-range UHF EPC reader

EPC 2.0: Tough, conveniently-configurable reader now supports 128-bit AES-encrypted transponders, in addition to connection with external antenna. Determination of direction of moving tags, anticollision capability, interfacing via RS232, Wiegand, RS-485, automatic polling upon power-up (no initiating commands required). Reader configurable by card, RS232 interface or you can order it pre-configured.

Long range ID applications, readily deployed

- Easily configure EPC 2.0 via either configuration card, RS232 interface or order pre-configured.
- Anticollision ability: reads several tags in the read range simultaneously
- Multi-application convenience: (e.g. access control and payment on same tag)
- Flexible use of external antennas - lets EPC 2.0 function as two separate readers
- Precisely define your interrogation zone by adjusting transmitting power

Versatile Idesco EPC 2.0 excels in a variety of applications

- Access control requiring longer identification distances, or anti-collision ability (mass events)
- Vehicle identification at distance; a single robust and durable reader (for harsh, inclement outdoor settings) paired with an external antenna will handle both your incoming and outgoing traffic
- Logistics: adjustable transmission power lets you precisely target your desired identification area.
- EPC Gen2v2 standard not only supports but will secure your multi-application transponders with encryption

Teknologiantie 9 | FIN-90590 Oulu | Tel. +358 (0)20 743 4175 | www.idesco.fi | e-mail info@idesco.fis

Technical specifications

Operating Frequency	865-868 MHz (other frequencies upon request)
Voltage	12..30VDC (nominal 24VDC)
Current Consumption	0,5 A @ 24 V
RFID Technology	EPC C1G2, ISO 18000-6C; EPC C1G2v2, ISO 18000-6C
Housing Dimensions	305 x 305 x 70 mm (hxwxd)
Housing Material	Aluminium/plastic
Installation Method	Adaptable mounting kit
Colour	White
Protection class	IP67
Antenna	Internal: circularly polarised and SMA connector for external antenna
External Antenna	Yes, purchased separately
LEDs	Single Tri-color
Cable	5 m pigtail
Buzzer	Yes
Storage temperature range	-40 °C to +85 °C
Operational temperature range	-40 °C to +55 °C
Frequency allocation	ETSI 302 208
EMC	ETSI EN 301 489-1, ETSI EN 301 489-03
Interfaces	Wiegand (configurable), RS-232 (configurable), RS-485 (on-demand) Ethernet (on demand)
Read ranges	Depends on tag type (please read detailed tag / card specifications in EPC Tags Datasheet)

Teknologiantie 9 | FIN-90590 Oulu | Tel. +358 (0)20 743 4175 | Fax +358 (0)20 743 4176 | www.idesco.fi | e-mail info@idesco.fi