RF-Embedded GmbH

PUR-DTR-100U FCC

Technical Data Sheet

Overview

- Rugged , highly integrated UHF reader
- USB interface
- Full PUR reader platform functionality
- Simple software control using the provided SDK and Reader Suite
- Supported OS: Windows, Linux and Mac OS
- Integrated circular antenna structure
- Integrated, ultra bright and configurable LEDs
- Protection against water jets

Applications

- Point of Sale
- Logistics
- Workspace data capturing
- Data capturing in industrial environments
- Access control
- Document or object tracking
- RFID initialisation desk

Contact

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Technical Details

RFID Characteristics

Frequency range:	902 to 928 MHz (FCC)
Tag protocol read + write:	EPC C1 Gen 2 (ISO 18000-6C)
Reading distance:	0.1m (tag dependent)
Writing distance:	70% of reading distance
RF power capability:	20 dBm with up to 15 dB configurable attenuation
Antenna:	Internal antenna (circular)

Interfaces

Data interface:	USB (virtual COM port)
User interface:	Three software controlable LEDs: Green, Yellow, Red

Miscellaneous

Voltage supply:	5V DC by USB (+ 5%)
Power consumption:	max. 350 mA
Operating temperature:	-10° to +50° C
Storage temperature:	-20° to +70° C
Relative humidity:	0-95%, non-condensing
Protection class:	IP 65
Dimensions:	L: 100 mm / W: 40 mm / H: 60 mm
Weight:	196 g