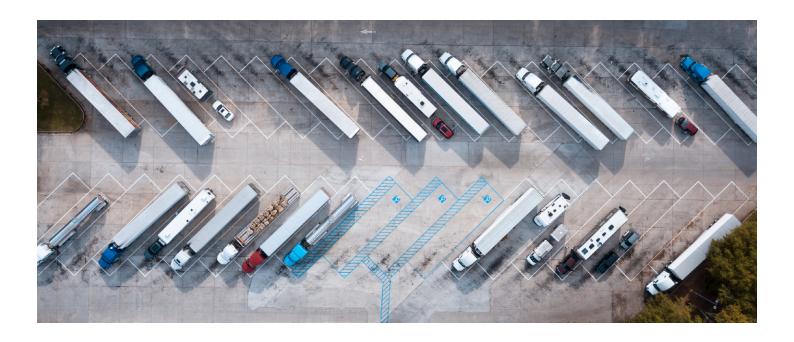
RSE622 DSRC TRANSCEIVER

RUGGED, COMPACT HANDHELD DSRC TRANSCEIVER FOR ENFORCEMENT APPLICATIONS



OVFRVIFW

The Q-Free RSE622 DSRC Transceiver is an advanced multiprotocol 5.8 GHz CEN-compliant handheld DSRC transceiver. It's portable, rugged, and compact form factor is optimized for enforcement applications in all weather conditions.

Automatically register, identify, and communicate with stationary vehicles equipped with any CEN compatible DSRC microwave communication tag.

It boasts ultra-low power consumption and a fast response time. The RSE622 is easy to use and operates on the internal battery for at least one working day with rapid recharge in less than 3 hours.

With a configurable "auto-read" function, it communicates with a host computer or a smart device through a Bluetooth connection. And it includes multiple human-machine interface (HMI) sources – LED, buzzer, and vibration.

It meets the most up-to-date EC requirements for Tachograph installation, control, inspection, and repair. With full standalone transaction model capability, the RSE622 also comes with a C++ client library and example code for easy integration.

BENEFITS

- Register, identify, and communicate with stationary vehicles equipped with DSRC communication tags
- Utilize in all weather conditions due to rugged design
- Operate up to 10 active hours or 24 standby hours
- · Interface with smart devices using Bluetooth
- Support parking enforcement personnel in a variety of applications



OPERATE THROUGHOUT ENTIRE WORKDAY



MULTIPLE HMI SOURCES



FEATURES

EASY OPERATION

- Typically, 10 hours of active operation
- · Standby operation for minimum 24 hours
- · Maximum charging time 3 hours
- Activation of reader by lifting it to an upright position
- · Configurable 'auto-read' function
- · Easy pairing with Bluetooth devices

COMPLIANCE

- Full compliance with CEN TC 278 DSRC standards
- · Bluetooth qualified design
- Backwards compatible with MD5859 protocol

MULTI-APPLICATION SUPPORT

- Supports multiple and custom applications (elements)
- EN 15509/SmartDSRC/PISTA/TIS/ST1-Chile/GSS/A1/ OGS
- · For standalone embedded applications, may also be equipped with a Secure Application Module (SAM) for secure DSRC key management

STANDARDS

CEN TC 278 EN 13372

DSRC: EN 12253 Physical Layer

EN 12975 Datalink Layer

EN 12834 Application Layer

Safety: EN 60950-1

HUMAN EXPOSURE

EN 50392:2004 Electromagnetic

radiation:

Applications: ISO 14906 / EN15509 EFC application

ISO 17264 / EN 16312 ERI application

ISO 13141:2015 LAC ISO 12813:2015 CCC

Compliance to EU

R&TTE 1995/5/EC EMC 2004/108/EC

directives: LVD 2006/95/EC RoHS 2011/65/EU

WEEE 2012/19/EU

TECHNICAL SPECIFICATIONS

Operating frequency: 5.7975, 5.8025, 5.8075, and

5.8125 GHz

Downlink bit rate. 500 kbps Uplink bit rate: 250 kbps

Sub-carrier 1.5 MHz (profile 0)

frequency:

Antenna polarization: Left-hand circular

Maximum radiated

+21 dBm EIRP (SW adjustable)

power:

5V Input voltage:

Data Bluetooth 2.1 class B

communication: **USB 2.0**

<2.5W (@ max EIRP) Max power

consumption:

Power consumption < 0.5 W

(standby):

Communication 2-3 m, 45° angled windscreen

distance:

3-4 m, vertical windscreen - 20°C to +60°C (ambient)

Operating temperature:

Charging and 0°C to +45°C

storage temperature:

Connector: Micro-USB-B receptacle, waterproof

Material: ABS plastic with shock-absorbing

rubber

IP rating: IEC 60529, class IP65

Color: Black (RAL9004) and Red (RAL

3028)

Dimensions: 141 x 69 x 18 mm

Weight: 150 g



