

All in one



The new **s.QUAD C** radio terminals combine the forward-looking design and unique performance features of the existing s.QUAD range with an additional mobile radio channel. Alarming continues to be primarily via the proven and reliable POCSAG technology. In addition, the s.QUAD C can also be alerted via the cellular network (hybrid alerting) and it offers the option of feedback, of which there are various forms:

- Technical feedback of the task force
- Tactical feedback of the task force
- Status message of the task force / device

With its integrated mobile radio module, the **s.QUAD C35** offers the possibility of the aforementioned hybrid alerting as well as feedback.

The **s.QUAD C45** also has GPS and a wireless iBeacon, which enable outdoor and indoor localization. With their help, emergency forces can be localized or their distance to the scene can be determined. In addition, it is possible to send an emergency call via the OK button (SOS button).

The s.QUAD C35 and s.QUAD C45 come with a new LTE-M (LTE Cat. M1) cellular module. The device has integrated cellular connectivity via eSIM. This eliminates the need to handle SIM cards.

Despite the use of modern mobile technologies, the proven standard AA round cell can still be used. This guarantees compatibility with the s.QUAD X15/X35 chargers.

The wireless iBeacon allows the s.QUAD to be connected to a compatible smartphone or the s.ONE Mobile App, which enables additional options.

The most important features

- Excellent reception characteristics (even with active cellular connection)
- Use of an eSIM with integrated connectivity
- Positioning (s.QUAD C45)
 - Outdoor: GPS
 - Indoor: Wireless iBeacon
- SOS emergency call function with position notification (s.QUAD C45)
- Extremely robust, dust and waterproof
- Alarm volume > 95 dB(A) in 30 cm
- Display with high resolution for over 200 characters per page
- Compatibility with s.QUAD X15 / X35 accessories
- Update of configuration and firmware via mobile network
- Option V: Message encryption with DiCaI-IDEA (128 bit)



s.QUAD C35/C45

| | Performance features | Technical data |
|--|---|--|
| Standards, approvals and environmental conditions | Guidelines and standards | RED 2014/53/EU (Radio Equipment Directive) ETSI EN 300 390 (Radio: POCSAG receiver) |
| | | Please refer to the Declaration of Conformity for details on the other standards. |
| | Guidelines and standards | -20 °C bis +55 °C |
| Paging | Frequency ranges <small>(other frequencies on request)</small> | VHF 2-m-Band 146-155/155-164/164-174 MHz |
| | Frequency processing | PLL, frequency adjustable over the entire frequency range with programming software |
| | Channel spacing | 12.5, 20/25 kHz programmable |
| | Protocol | POCSAG and FLEX |
| | Call sensitivity* <small>*typical values in the 2 m band (best position on the salt man)</small> | at 512 bit/s 2.0 µV/m at 1200 bit/s 2.5 µV/m at 2400 bit/s 3.0 µV/m |
| Main features | Signal strength indicator (RSSI) | Five-level display of the signal strength at the current location |
| | Call addresses | <ul style="list-style-type: none"> 64 main addresses (RICs) with 4 sub-addresses each, frame-independent 256 address names with 8 characters |
| | Alerting | <ul style="list-style-type: none"> Loudness > 95 dB(A) at 30 cm Audio alarm tones Vibration alarm multi-colour alarm LED, 7 colours individually programmable Up to 64 user profiles or switchable RICs |
| | Messages | <ul style="list-style-type: none"> Over 100 individual messages with up to 512 characters 256 fixed texts with 32 characters each can be stored Up to 2 additional message folders PIN-protected message filing |
| | Supported functions | <ul style="list-style-type: none"> Express Alarm® OAP (On-Air Programming) system messages Over-the-air remote programming for configuration and firmware |
| | Options | <ul style="list-style-type: none"> Message encryption: DiCal-IDEA (128 bit) Multichannel, Scanner |
| | | |
| Mobile radio | Frequency ranges | 800/900/1800 MHz (UTRA Band 20/8/3) |
| | Connection | LTE Cat. M1 (LTE-M) |
| | Network identification | Built-in eSIM |
| Localisation | Receiver | Nordic GPS engine |
| | GNSS system | GPS L1 C/A |
| | Sensitivity in tracking mode | -155 dBm |
| | Time-To-First-Fix (TTFF) | Cold: 36 sec, Assisted: 3 sec, Hot: 1.3 sec |
| Wireless compatibility | Standard | Low Energy, Core V5.2 |
| | Supported functions | iBeacon (Lokalisierung), kompatibel mit s.ONE App |
| Display and housing | Display | <ul style="list-style-type: none"> High resolution greyscale display (146 x 128 pixels, 106 DPI) White backlight Over 200 characters per page can be displayed Different font sizes with 6, 7 or 8 lines Vertical and horizontal menu and font guidance (programmable) Scrollable font |
| | Dimensions (H x W x D) | 81 x 64 x 22 mm |
| | Weight (incl. battery) | 115 g |
| Power management | Battery type | NiMHplus-Akku oder Alkaline-Batterie (Standard AA Batterie) |
| | Operating times (eco mode) | POCSAG reception only: approx. 400 h POCSAG + permanent data: approx. 100 h POCSAG + permanent data + GPS: approx. 50-70 h |
| Accessories | Programming set | Programming tray with Windows-based programming software |
| | Chargers | <ul style="list-style-type: none"> Charger with relay and antenna connection Multi-chargers |
| | Carrying aids | <ul style="list-style-type: none"> Clip holster (included) Leather tote bag |

Subject to change without notice



Swissphone Wireless AG
Fälmisstrasse 21
CH - 8833 Samstagern
Tel +41 44 786 77 70
Fax +41 44 786 77 71
E-Mail info@swissphone.com
swissphone.com