Swissphone – Alerting at its Best
The Swissphone Group is a leading global supplier of the most advanced and reliable alarm and communication solutions. We have always focused on two important characteristics – highest quality and total reliability. Our extremely robust pagers enable digital or analogue alerting, offer one-way or two-way communication in text or voice messages.

**s.QUAD X15**

- Outstanding reception performance with 2.5 μV/m at 1200 bit/s
- 16 RICs (64 individual addresses)
- Three select as well as toggle profiles available
- Alerting volume > 95 dB(A) at 30 cm
- High-resolution display for more than 200 characters per page
- Extremely robust (2-m-drop test), dust- and waterproof

**Options**
- IDEA™ message encryption
s.QUAD X35

- Outstanding reception performance with 2.5 μV/m at 1200 bit/s
- 64 RICs (256 individual addresses)
- 64 select as well as toggle profiles available
- Alerting volume > 95 dB(A) in 30 cm
- 7 colours alerting LED
- 5-level display of signal strength (RSSI)
- High-resolution display for more than 200 characters per page
- Extremely robust (2-m-drop test), dust- and waterproof

s.QUAD ATEX

- Outstanding reception performance with 2.5 μV/m at 1200 bit/s
- 64 RICs (256 individual addresses)
- 64 select as well as toggle profiles available
- Alerting volume > 95 dB(A) in 30 cm
- 7 colours alerting LED
- 5-level display of signal strength (RSSI)
- High-resolution display for more than 200 characters per page
- Extremely robust (2-m-drop test), dust- and waterproof

Ex certified pager with protection class: Ex II 2G Ex Ib IIC T4

Options
- IDEA™ message encryption
- Multi-channel, scanner

Options
- IDEA™ message encryption
- Multi-channel, scanner
s.QUAD Voice

- Outstanding reception performance with 2.5 µV/m
- 64 call addresses (2/5/6 tones)
- 64 select as well as toggle profiles available
- Up to 16 minutes voice memory
- Alerting volume > 95 dB(A) in 30 cm
- 7 colours alert LED
- 5-level display of signal strength (RSSI)
- High-resolution display for more than 200 characters per page
- Extremely robust (2-m-drop test), dust- and waterproof

Options
- Analogue and digital in one device
- Multi-channel, scanner

HURRICANE DUO

- Simultaneous playback of the alarm message via loudspeaker and display
- User-definable dictionary for any abbreviations
- 64 RICs (256 individual addresses)
- 64 select as well as toggle profiles available
- Alerting volume > 90 dB(A) in 30 cm
- Text notification: 5 lines in small font size or 4 lines in normal font size
- 5-level display of signal strength (RSSI)

Options
- IDEA™ message encryption
- Multi-channel, scanner
RES.Q
XS / S / M / L

- Excellent reception characteristics (even with active cellular connection)
- Emergency call function with positioning
- Hybrid alerting (POCSAG & cellular technology)
- Positioning features
  Outdoor: GPS
    - iBeacon
    - IBT position transmitter
- 32 RICs (128 individual addresses)
- 64 select as well as toggle profiles available
- Signal strength indicator (RSSI) for POCSAG & cellular

Options
- IDEA™ message encryption
- Multi-channel, scanner

s.ONE
An application suite for monitoring and resource management

1. s.ONE Monitor
   Graphical overview of real time responses and display alerts if the deployment is understaffed

2. s.ONE Availability
   Real-time information on team availability

3. s.ONE Alert
   For quick, targeted follow-up alerting with paging, e-mail or SMS

4. s.ONE Fleet
   Remote configuration and terminal data management
## Data terminal devices

### Features

<table>
<thead>
<tr>
<th>Description</th>
<th>s.QUAD X15</th>
<th>s.QUAD X35</th>
<th>s.QUAD ATEX</th>
<th>s.QUAD Voice</th>
<th>HURRICANEO</th>
<th>RES.Q XS / S / M / L</th>
</tr>
</thead>
<tbody>
<tr>
<td>- POSCAG pager with text display</td>
<td>- POSCAG pager with text display</td>
<td>- POSCAG pager with text display</td>
<td>- ATEX proof (II 3G Ex b IIC T4), Zone 1&amp;2, highest explosion and gas group (IC)</td>
<td>- Analogue pager with voice announcement</td>
<td>- POSCAG Pager with text display</td>
<td>- POSCAG Pager with test display</td>
</tr>
<tr>
<td>- 7 colours LED</td>
<td>- 7 colours LED</td>
<td>- 7 colours LED</td>
<td>- 7 colours LED</td>
<td>- Beacon for indoor positioning</td>
<td>- Beacon for indoor positioning</td>
<td>- Beacon for indoor positioning</td>
</tr>
<tr>
<td>Weight including battery (g)</td>
<td>108</td>
<td>108</td>
<td>102 (with NiMH battery), 108 (with alkaline battery)</td>
<td>- up to 16 minutes voice memory</td>
<td>- up to 16 minutes voice memory</td>
<td>- up to 16 minutes voice memory</td>
</tr>
<tr>
<td>- POCSAG pager with test display</td>
<td>2500 / 2400 (*)</td>
<td>2500 / 2400 (*)</td>
<td>2200 / 1000 (*)</td>
<td>180 / 180 (*)</td>
<td>600 / 600 (*)</td>
<td>600 (*)</td>
</tr>
<tr>
<td>Frequency generation</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
<td>WidePLL (VHF: 10 MHz, UHF: 20 MHz)</td>
</tr>
<tr>
<td>Call sensitivity (typical values)</td>
<td>2.5 μV/m at 1200 bit/s</td>
<td>2.5 μV/m at 1200 bit/s</td>
<td>2.5 μV/m at 1200 bit/s</td>
<td>2.5 μV/m</td>
<td>3.5 μV/m at 1200 bit/s</td>
<td>3.5 μV/m at 1200 bit/s</td>
</tr>
<tr>
<td>Number of RIC / alert addresses</td>
<td>64 x 4 / 64</td>
<td>64 x 4 / 256</td>
<td>64 x 4 / 256</td>
<td>64 alert addresses</td>
<td>64 x 4 / 256</td>
<td>32 x 4 / 128</td>
</tr>
<tr>
<td>Address name</td>
<td>3 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
</tr>
<tr>
<td>Message folder</td>
<td>1</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Message storage</td>
<td>- More than 100 individual messages with up to 512 characters</td>
<td>- More than 100 individual messages with up to 512 characters</td>
<td>- More than 100 individual messages with up to 512 characters</td>
<td>- Up to 16 minutes voice memory</td>
<td>- More than 100 individual messages with up to 253 characters</td>
<td>- More than 100 individual messages with up to 253 characters</td>
</tr>
<tr>
<td>- 64 fixed texts each of 32 characters can be stored</td>
<td>- 256 fixed texts each of 32 characters can be stored</td>
<td>- 256 fixed texts each of 32 characters can be stored</td>
<td>- 256 fixed texts each of 32 characters can be stored</td>
<td>- 256 fixed texts each of 32 characters can be stored</td>
<td>- 128 fixed texts each of 32 characters can be stored</td>
<td>- 128 fixed texts each of 32 characters can be stored</td>
</tr>
<tr>
<td>Alerting</td>
<td>Three levels of volume / vibration / alert LED</td>
<td>Three levels of volume / vibration / alert LED</td>
<td>Three levels of volume / vibration / alert LED</td>
<td>Two levels of volume / vibration / flashing alert LED</td>
<td>Alert tones / volume</td>
<td>Alert tones / volume</td>
</tr>
<tr>
<td>Alert tones / volume</td>
<td>16 freely configurable / 95 dB(A) at 30 cm</td>
<td>32 freely configurable / 95 dB(A) at 30 cm / audio</td>
<td>32 freely configurable / 95 dB(A) at 30 cm / audio</td>
<td>16 freely configurable / 90 dB(A) at 30 cm</td>
<td>16 freely configurable / 88 dB(A) at 30 cm</td>
<td>16 freely configurable / 88 dB(A) at 30 cm</td>
</tr>
<tr>
<td>Display screen</td>
<td>High-resolution display (146 x 128 pixel) for over 200 characters per page</td>
<td>High-resolution display (146 x 128 pixel) for over 200 characters per page</td>
<td>High-resolution display (146 x 128 pixel) for over 200 characters per page</td>
<td>High-resolution display (146 x 128 pixel, 106 DPI)</td>
<td>Display 4 or 5 lines with up to 11 or 16 signs</td>
<td>Display 4 or 5 lines with up to 11 or 16 signs</td>
</tr>
<tr>
<td>Display lighting</td>
<td>LED (white)</td>
<td>LED (white)</td>
<td>LED (white)</td>
<td>LED (white)</td>
<td>LED (white)</td>
<td>LED (white)</td>
</tr>
<tr>
<td>Display of signal strength (RSSI)</td>
<td>• • • • for POCSAG &amp; mobile radio</td>
<td>• • • •</td>
<td>• • • •</td>
<td>• • • •</td>
<td>• • • •</td>
<td>• • • •</td>
</tr>
<tr>
<td>Time and date, alert time with date</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
</tr>
<tr>
<td>Programming data protection with PIN</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
</tr>
<tr>
<td>User profiles</td>
<td>3 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
<td>64 select as well as toggle profiles available</td>
</tr>
<tr>
<td>Keypad lock / menu lock / power-on PIN</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
</tr>
<tr>
<td>Battery type</td>
<td>NiMH plus battery or alkaline battery (AA)</td>
<td>NiMH plus battery or alkaline battery (AA)</td>
<td>NiMH plus battery or alkaline battery (AA)</td>
<td>NiMH plus battery or alkaline battery (AA)</td>
<td>NiMH plus battery or alkaline battery (AA)</td>
<td>Lithium polymer battery</td>
</tr>
<tr>
<td>Operation period in hours</td>
<td>2500 / 2400 (*)</td>
<td>2500 / 2400 (*)</td>
<td>2200 / 1000 (*)</td>
<td>180 / 180 (*)</td>
<td>600 / 600 (*)</td>
<td>600 (*)</td>
</tr>
<tr>
<td>Battery / NiMH battery</td>
<td>108</td>
<td>108</td>
<td>108</td>
<td>108</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>Battery / level indicator</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
<td>• • • • • •</td>
</tr>
<tr>
<td>Changing cut-off during dry cell operation</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Dimensions (h x w x d in mm) without clip</td>
<td>81 x 64 x 22</td>
<td>81 x 64 x 22</td>
<td>81 x 64 x 22</td>
<td>76 x 53 x 24</td>
<td>80 x 53 x 24</td>
<td>80 x 53 x 24</td>
</tr>
<tr>
<td>Weight including battery (g)</td>
<td>108</td>
<td>108</td>
<td>108 (with NiMH battery), 108 (with alkaline battery)</td>
<td>108</td>
<td>110</td>
<td>110</td>
</tr>
<tr>
<td>P degree of protection according to EN 60529</td>
<td>IP67 dust- and waterproof</td>
<td>IP67 dust- and waterproof</td>
<td>IP67 dust- and waterproof</td>
<td>IP67 dust- and waterproof</td>
<td>IP54</td>
<td>IP54 with protective bag</td>
</tr>
<tr>
<td>Express alarm function</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Multi-channel (option)</td>
<td>8 channels / scanner</td>
<td>8 channels / scanner</td>
<td>8 channels / scanner</td>
<td>8 channels / scanner</td>
<td>8 channels / scanner</td>
<td>8 channels / scanner</td>
</tr>
</tbody>
</table>

(*) depending on the parameter setting
The IDEA™ Encryption Technology employed by Swissphone allows secure transmission of confidential messages. All messages are secured from the dispatcher to the pager (end-to-end) which means that messages can only be read by authorised pagers. The 128-bit protection key delivers one of the highest levels of security currently available.

With the patented Express-Alarm® feature, the dispatcher can compile task group RIC addresses and link the alert texts accordingly. Instead of each RIC address being notified one at a time, the alert text is sent simultaneously to all needed users. Less data allows for faster transmission time.

Hybrid combines the reliability of a paging alert with the benefits of commercial mobile telecommunications networks. The alert message is sent to the pager via paging and SMS/GPRS. Only the fastest of the alert messages is displayed on the pager screen and any other is suppressed.

s.QUAD Voice works in parallel on analogue and digital POCSAG networks. With this software option the s.QUAD terminal can receive voice calls and text messages from two different networks. This two-in-one option perfectly supports the migration from analog to digital.

Wide PLL: The reception frequency can be programmed within a bandwidth of up to 10 MHz.

Bluetooth technology makes it possible to connect the s.QUAD with a compatible smartphone and ultimately with various s.ONE software solutions from Swissphone.

In idle state, the pager is set in a sleep mode and the display is switched off. At all times, the pager remains active and ready to receive alarm signals.

GLOB is a replace text pattern option that allows you to either suppress text or replace it with a fixed text.

The s.QUAD ATEX is approved for use in areas with highly flammable gas / air mixtures (protection class II 2G EEEx ib IIC T4). Even in the most sensitive zones, the s.QUAD ATEX can be used without risk thanks to its passive RF reception characteristics and protection measures.
Accessories terminal devices

- Charger RES.Q / HURRICANE
- Charger s.QUAD
- Charger s.QUAD with lamp
- Multi charger s.QUAD
- Leather case s.QUAD
- Leather case RES.Q / Hurricane
- Various clips s.QUAD
- Various clips RES.Q / HURRICANE
- Various clips s.QUAD with lamp
- Various safety chains