

The logo features a red curved line above the word "SWISSPHONE" in a bold, black, sans-serif font. Small red circles are positioned at the ends of the curved line.

SWISSPHONE



Swissphone –
Alerting at its Best

www.swissphone.com

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 $2.5 \mu\text{V/m}$ at 1200 bit/s
- » 16 RICs (64 individual addresses)
- » three select as well as toggle profiles available
- » Alerting volume $> 95 \text{ dB(A)}$ 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 $2.5 \mu\text{V}/\text{m}$ at 1200 bit/s
-))) 64 RICs (256 individual addresses)
-))) 64 select as well as toggle profiles available
-))) Alerting volume $> 95 \text{ dB(A)}$ 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



Options

- IDEA™ message encryption
- Multi-channel, scanner

s.QUAD ATEX

-))) Outstanding reception performance with $2.5 \mu\text{V}/\text{m}$ at 1200 bit/s
-))) 64 RICs (256 individual addresses)
-))) 64 select as well as toggle profiles available
-))) Alerting volume $> 95 \text{ dB(A)}$ 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



Options

- IDEA™ message encryption
- Multi-channel, scanner

Ex certified pager with protection class:

Ex II 2G Ex Ib IIC T4

s.QUAD Voice

- » Outstanding reception performance with 2.5 $\mu\text{V}/\text{m}$
- » 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	s.QUAD X15	s.QUAD X35	s.QUAD ATEX	s.QUAD Voice	HURRICANE DUO	RES.Q XS / S / M / L
Description	- POCSAG pager with text display - Bluetooth Low Energy	- POCSAG pager with text display - Bluetooth Low Energy - 7 colours LED	- POCSAG pager with text display - ATEX proof (II 2G Ex Ib IIC T4), Zone 1&2, highest explosion and gas group (IIC)	- Analogue pager with voice announcement - Bluetooth Low Energy - 7 colours LED - up to 16 minutes voice memory	- POCSAG Pager with text display - Conversion of text to speech	- POCSAG Pager with text display - Feedback & status report (GPRS, GSM) - GPS positioning - iBeacon for indoor positioning
Frequency range	138 – 174 MHz / 430 – 470 MHz	138 – 174 MHz / 430 – 470 MHz	138 – 174 MHz / 430 – 470 MHz	138 – 174 MHz / 430 – 470 MHz	146 – 174 MHz / 450 – 470 MHz	146 – 174 MHz / 430 – 470 MHz
Frequency generation	WidePLL (VHF: 10 MHz, UHF: 20 MHz)	WidePLL (VHF: 10 MHz, UHF: 20 MHz)	WidePLL (VHF: 10 MHz, UHF: 20 MHz)	WidePLL (VHF: 10 MHz, UHF: 20 MHz)	WidePLL (VHF: 10 MHz)	WidePLL (VHF: 10 MHz)
Call sensitivity (typical values)	2.5 µV/m at 1200 bit/s 2.0 µV/m at 512 bit/s	2.5 µV/m at 1200 bit/s 2.0 µV/m at 512 bit/s	2.5 µV/m at 1200 bit/s 2.0 µV/m at 512 bit/s	2.5 µV/m	3.5 µV/m at 1200 bit/s 3.0 µV/m at 512 bit/s	3.5 µV/m at 1200 bit/s 3.0 µV/m at 512 bit/s
Number of RIC / alert addresses	16 × 4 / 64	64 × 4 / 256	64 × 4 / 256	64 alert addresses	64 × 4 / 256	32 × 4 / 128
Address name	•	•	•	•	•	•
User profiles	3 select as well as toggle profiles available	64 select as well as toggle profiles available	64 select as well as toggle profiles available	64 select as well as toggle profiles available	64 select as well as toggle profiles available	64 select as well as toggle profiles available
Message folder	1	3	3	3	3	3
Message storage	- More than 100 individual messages with up to 512 characters - 64 fixed texts each of 32 characters can be stored	- More than 100 individual messages with up to 512 characters - 256 fixed texts each of 32 characters can be stored	- More than 100 individual messages with up to 512 characters - 256 fixed texts each of 32 characters can be stored	- Up to 16 minutes voice memory - 256 fixed texts each of 32 characters can be stored	- More than 100 individual messages with up to 253 characters - 128 fixed texts each of 32 characters can be stored	- More than 100 individual messages with up to 253 characters - 128 fixed texts each of 32 characters can be stored
Message comparison and message correction	•	•	•	N/A	•	•
Alerting	Three levels of volume / vibration / alert LED	Three levels of volume / vibration / 7 colours alert LED	Three levels of volume / vibration / 7 colours alert LED	Three levels of volume / vibration / 7 colours alert LED	Two level volume / vibration / flashing alert LED	Alert tones / volume
Alert tones / volume	16 freely configurable / 95 dB (A) at 30 cm	32 freely configurable / 95 dB(A) at 30 cm / audio	32 freely configurable / 95 dB(A) at 30 cm / audio	32 freely configurable / 95 dB(A) at 30 cm / audio	16 freely configurable / 90 dB (A) at 30 cm	16 freely configurable / 88 dB (A) at 30 cm
Display screen	High-resolution display (146 × 128 pixel) for over 200 characters per page	High-resolution display (146 × 128 pixel) for over 200 characters per page	High-resolution display (146 × 128 pixel) for over 200 characters per page	High-resolution display (146 × 128 pixel, 106 DPI)	Display 4 or 5 lines with up to 11 or 16 signs	Display 3,4 or 5 lines with 16/20 or more characters (proportional font)
Display lighting	LED (white)	LED (white)	LED (white)	LED (white)	LED (white)	LED (white)
Display of signal strength (RSSI)	–	•	•	•	•	for POCSAG & mobile radio
Time and date, alert time with date	•	•	•	•	•	•
Programming data protection with PIN	•	•	•	•	•	•
Message protection with one PIN	•	•	•	•	•	•
Keypad lock / menu lock / power-on PIN	•	•	•	•	•	•
Battery type	NiMH plus battery or alkaline battery (AA)	NiMH plus battery or alkaline battery (AA)	NiMH plus battery (AAA) or alkaline battery (AA)	NiMH plus battery or alkaline battery (AA)	NiMH plus battery or alkaline battery (AA)	Lithium polymer battery
Operation period in hours Battery / NiMH battery	2500 / 2400 (*)	2500 / 2400 (*)	2200 / 1000 (*)	180 / 180 (*)	600 / 600 (*)	POCSAG only: 600 (*) +GPRS/SMS: 60-80 +GPRS/SMS +GNSS: 40
Battery / level indicator	•	•	•	•	•	•
Charging cut-off during dry cell operation	•	•	•	•	•	no dry cell operation possible
Dimensions (h × w × d in mm) without clip	81 × 64 × 22	81 × 64 × 22	81 × 64 × 22	81 × 64 × 22	78 × 53 × 24	80 × 53 × 24
Weight including battery (g)	108	108	102 (with NiMH battery), 108 (with alkaline battery)	108	110	110
IP degree of protection according to EN 60529	IP67 dust- and waterproof	IP67 dust- and waterproof	IP67 dust- and waterproof	IP67 dust- and waterproof	IP54	IP52 IP54 with protective bag
Express alarm function	•	•	•	N/A	•	•
128 bit encryption, Time Authentication (option)	DiCal-IDEA (128 Bit)	DiCal-IDEA (128 Bit)	DiCal-IDEA (128 Bit)	N/A	DiCal-IDEA (128 Bit)	DiCal-IDEA (128 Bit)
Multi-channel (option)	–	8 channels / scanner	8 channels / scanner	64 channels / scanner	8 channels / scanner	8 channels / scanner

(*) depending on the parameter setting

Options



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 EEx 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
safety chains

Dealer stamp:



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