



Swissphone –  
Alerting at its Best



As a leading provider in Alerting and Critical Incident Management, Swissphone offers secure and uncompromisingly reliable 360° Alerting and Communications solutions.

We have always focused on two essential characteristics – **highest quality** and **total reliability**. Our robust pagers enable digital or analogue alerting and offer one-way or two-way communication with text or voice messages.

## s.QUAD C45 / C35

- Outstanding reception performance (even with active cellular connection)
- eSIM with included connectivity
- Hybrid alerting (POCSAG & LTE-M)
- C45: Emergency call function with positioning
- Configuration and firmware update over the air (OTA)
- Alerting volume >95 dB(A)
- Multicolour alert LED
- 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 X35/X15

- Outstanding reception performance
- Up to 256 individual addresses
- Up to 64 select or toggle profiles available
- Alerting volume >95 dB(A)
- X35: Multicolour alert LED
- 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
- 256 individual addresses
- 64 select or toggle profiles available
- Alerting volume >95 dB(A)
- Multicolour alert LED
- 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

## s.QUAD Voice

- Outstanding reception performance
- 64 addresses (2/5/6 tones)
- 64 select or toggle profiles available
- Up to 16 minutes voice memory
- Alerting volume >95 dB(A)
- Multicolour alert LED
- 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

- Outstanding reception performance
- Simultaneous playback of the alarm message via loudspeaker and display
- User-definable dictionary for any abbreviations
- 256 individual addresses
- 64 select or toggle profiles available



### Options

- IDEA™ message encryption
- Multi-channel, scanner

## RES.Q L/XS

- Outstanding reception performance (even with active cellular connection)
- Emergency call function with positioning
- Hybrid alerting (POCSAG & cellular technology)
- RES.Q L: Emergency call function with positioning  
Indoor: iBeacon, Outdoor: GPS
- 128 individual addresses
- 64 select or toggle profiles available



### Options

- IDEA™ message encryption
- Multi-channel, scanner

## s.ONE

Resource Management / Remote update for Terminal Firmware and Configuration



### 1 s.ONE Monitor

See who can attend to an incident. Insufficient positive feedback can trigger additional info messages.

### 2 s.ONE Availability

Know who is available ahead of time. If understaffing is detected notifications can be sent automatically.

### 3 s.ONE Alert

Multi-bearer messages and follow-up alerts to pager, SMS, email

### 4 s.ONE Mobile App

The ideal pager companion

### 5 s.ONE Fleet

Remote configuration, firmware update and fleet management for your terminals

# Accessories Terminal Devices



Charger  
RES.Q / HURRICANE DUO



Charger  
s.QUAD



Charger  
s.QUAD with lamp



Multi charger  
s.QUAD



Leather case  
s.QUAD



Leather case  
RES.Q / HURRICANE DUO



Various clips  
s.QUAD



Various clips  
RES.Q / HURRICANE DUO



Various  
safety chains

Dealer stamp:



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Tel +41 44 786 77 70  
Fax +41 44 786 77 71  
E-Mail info@swissphone.com  
swissphone.com

# Options



The **IDEA™ Encryption Technology** employed by Swissphone allows the 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.



The patented **Express-Alarm®** feature allows the dispatcher to 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 Alert** 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.



The **Eco mode** extends the operating time by switching off the display after a certain time. The pager remains active and ready to receive alarm signals at all times.



**GLOB** is a replace text pattern option which allows to suppress or replace text with a fixed text.



**Geo-availability** respects privacy and enables a response when insufficient staff is in the vicinity. Geo-availability relies on the RES.Q terminal checking whether it is inside or outside a pre-defined area without transmitting position data.



The optional **SOS-Button** makes it possible to call for help inconspicuously and quickly in critical situations. The alarm is forwarded to the SOS-Portal.



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.

# Terminal Devices

		2-Way Terminals			Pager		
Features	s.QUAD C35 / C45	RES.Q XS / L	s.QUAD X15 / X35	s.QUAD ATEX	s.QUAD Voice	HURRICANE DUO	
Paging	POCSAG	POCSAG	POCSAG	POCSAG 5-tone or 2-tone	5-tone or 2-tone	POCSAG	
Voice announcement					Announcement	Text to speech (TTS)	
2-way (hybrid alert, feedback)	LTE-M	LTE-M, GSM fallback					
ATEX				II 2G Ex Ib IIC T4, Zone 1&2, highest explosion and gas group			
Positioning (GPS, iBeacon) for emergency call	s.QUAD C45	RES.Q L					
<b>Paging</b>	Frequency range	138 – 174 MHz, 430 – 470 MHz	146 – 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
	Channel spacing [kHz]	12.5 and 20/25	12.5 or 20/25	12.5 or 20/25	12.5 or 20/25	12.5 or 20/25	12.5 or 20/25
	Sensitivity [µV/m]	512 bit/s: 2.0 1200 bit/s: 2.5	512 bit/s: 3.0 1200 bit/s: 3.5	512 bit/s: 2.0 1200 bit/s: 2.5	512 bit/s: 2.0 1200 bit/s: 2.5	2.5	512 bit/s: 3.0 1200 bit/s: 3.5
	Number of addresses	256	128	X15: 64, X35: 256	256	64	256
<b>Alerting</b>	Alerting	Three levels of volume / vibration / Multicolour alert LED	Two levels of volume / vibration	Three levels of volume / vibration / X35: Multicolour alert LED X15: Alert LED	Three levels of volume / vibration / Multicolour alert LED	Three levels of volume / vibration / Multicolour alert LED	Two levels of volume / vibration / Alert LED
	Alert tones	32	16	32	32	32	16
	Volume	95 dB(A) at 30 cm	88 dB(A) at 30 cm	95 dB(A) at 30 cm	95 dB(A) at 30 cm	95 dB(A) at 30 cm	90 dB(A) at 30 cm
	User profiles	64 select or toggle profiles	64 select or toggle profiles	X15: 3 select or toggle profiles X35: 64 select or toggle profiles	64 select or toggle profiles	64 select or toggle profiles	64 select or toggle profiles
<b>Messages</b>	Message storage	>100 messages up to 512 characters	>100 messages up to 253 characters	>100 messages up to 512 characters	>100 messages up to 512 characters	Up to 16 minutes voice memory	>100 messages up to 253 characters
	Pre-programmed messages	256 fixed texts with 32 characters	128 fixed texts with 32 characters	X15: 64 fixed texts with 32 characters X35: 256 fixed texts with 32 characters	128 fixed texts with 32 characters	128 fixed texts with 32 characters	128 fixed texts with 32 characters
	Message protection with PIN	•	•	•	•	•	•
	Message folder	3	3	X15: 1, X35: 3	3	3	3
	Display of signal strength (RSSI)	POCSAG & mobile radio	POCSAG & mobile radio	X35	•	•	•
<b>Display and Housing</b>	Backlight	LED (white)	LED (white)	LED (white)	LED (white)	LED (white)	LED (white)
	Display	High resolution display 200 characters per page Size: 35 x 31 mm	Display 100 characters per page Size: 35 x 22 mm	High resolution display 200 characters per page Size: 35 x 31 mm	High resolution display 200 characters per page Size: 35 x 31 mm	High resolution display 200 characters per page Size: 35 x 31 mm	Display 80 characters per page Size: 24 x 17 mm
	Dimensions (h x w x d) without clip	81 x 64 x 22 mm	80 x 53 x 24 mm	81 x 64 x 22 mm	81 x 64 x 22 mm	81 x 64 x 22 mm	78 x 53 x 24 mm
	Weight including battery	115 g	110 g	108 g	102 g (with NiMH battery), 108 g (with alkaline battery)	108 g	110 g
	IP protection	Dust- and waterproof	IP52, IP54 with protective bag	Dust- and waterproof	Dust- and waterproof	Dust- and waterproof	IP54
<b>Power management</b>	Battery type	NiMH or Alkaline AA	Lithium-Polymer	NiMH or Alkaline AA	Alkaline AA or NiMH AAA	NiMH or Alkaline AA	NiMH or Alkaline AA
	Operation period in hours (*) Alkaline battery / NiMH battery	POCSAG only: 600 h + permanent date: 140 h + permanent data, GPS: 60 h	POCSAG only: 600 h + permanent date: 60-80 h + permanent date, GPS: 40 h	2500 / 2400	2200 / 1000	180 / 180	600 / 600
<b>Miscellaneous</b>	Password protected programming data	•	•	•	•	•	•
	Keypad lock / power-on PIN	•	•	•	•	•	•
	Express alarm function	•	•	•	•	N/A	•
	Encryption, time authentication (option)	DiCal-IDEA (128 bit)	DiCal-IDEA (128 bit)	DiCal-IDEA (128 bit)	DiCal-IDEA (128 bit)	N/A	DiCal-IDEA (128 bit)
	Multichannel (option)	8 channels / scanner	8 channels / scanner	X35: 8 channels / scanner	8 channels / scanner	64 channels / scanner	8 channels / scanner
	Wireless connect	•	•	•	•	•	•

(\*) depending on the parameter setting