



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
- 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

- AES+ message encryption
- Multi-channel, scanner

s.QUAD X35/X15

- Outstanding reception performance
- X35: 256 individual addresses
X15: 64 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

- AES+ 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

- AES+ 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

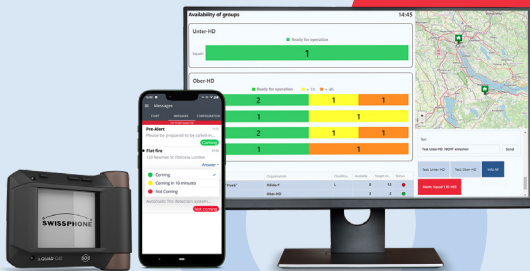
HURRICANE DUO

- 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

- AES+ message encryption
- Multi-channel, scanner



s.ONE Solution

- s.ONE: The modular software platform designed to improve the efficiency of emergency response.
- Through message acknowledgement, s.ONE ensures the rapid deployment of additional personnel.
- Before an alert: If resources are insufficient, s.ONE notifies the responsible parties.
- Remote configuration and firmware updates are also supported.
- The mobile application allows responders to acknowledge alerts and manage availability via smartphones.

Four flexible modules



s.ONE Fleet

Remote configuration, firmware update and fleet management for your terminals



s.ONE Monitor

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



s.ONE Alert

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



s.ONE Mobile App

The ideal pager companion

Options



The **AES+ 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 256-bit protection key delivers one of the highest levels of security currently available.



With the dynamic group alarm **Express-Alarm+**, emergency groups can be linked to an alarm text without having to notify each RIC address individually. This means that all relevant recipients receive the message at the same time. As less data is transmitted, the transmission time is reduced. In addition, the addresses and the alarm text are encrypted so that all personal and tactical data is fully protected.



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 mobile network. Only the fastest of the alert messages is displayed on the pager screen and any other is suppressed.



Task forces can use the **Feedback Channel** to report their availability before or immediately after an alert. This provides a real-time overview of operational readiness and enables targeted measures to be taken. This reduces response times, optimizes operational planning and increases efficiency – for maximum safety and smart resource management.



The **s.QUAD Voice** can be used simultaneously in analogue and digital POCASG networks. With this software option, the device receives voice announcements and text messages from two different networks. In this way, the s.QUAD Voice perfectly supports the migration from analogue to digital alerting. (Prerequisite: The devices use the same frequency band).



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.



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	s.QUAD X15 / X35	s.QUAD ATEX	s.QUAD Voice	HURRICANE DUO
Paging	POCSAG	POCSAG	POCSAG 5-tone or 2-tone	5-tone or 2-tone	POCSAG
Voice				Announcement	Text to speech (TTS)
2-way (hybrid alert, feedback)	LTE-M				
ATEX			II 2G Ex Ib IIC T4, Zone 1&2, highest explosion and gas group		
Positioning (GPS, iBeacon) for emergency call	s.QUAD C45				
Paging					
Frequency range	138 – 174 MHz, 430 – 470 MHz	138 – 174 MHz, 430 – 470 MHz	138 – 174 MHz, 430 – 470 MHz	68 - 88 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
Sensitivity [µV/m]	512 bit/s: 2.0 1200 bit/s: 2.5	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
Alarm addresses	256	X15: 64, X35: 256	256	64	256
Alerting					
Alerting	Three levels of volume / vibration / Multicolour alert LED	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	X15: 16, X35: 32	32	32	16
Volume	95 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	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
Messages					
Message storage	>100 messages up to 512 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	X15: 64 fixed texts with 32 characters X35: 256 fixed texts with 32 characters	256 fixed texts with 32 characters	128 fixed texts with 32 characters	128 fixed texts with 32 characters
Message protection with PIN	•	•	•	•	•
Message folder	3	X15: 1, X35: 3	3	3	3
Display of signal strength (RSSI)	POCSAG & mobile radio	X35	•	•	•
Display and Housing					
Backlight	LED (white)	LED (white)	LED (white)	LED (white)	LED (white)
Display	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	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	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	108 g	102 g (with NiMH battery), 108 g (with alkaline battery)	108 g	110 g
IP protection	Dust- and waterproof	Dust- and waterproof	Dust- and waterproof	Dust- and waterproof	IP54
Power management					
Battery type	NiMH or Alkaline AA (Fallback)	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	2500 / 2400	2200 / 1000	180 / 180	600 / 600
Miscellaneous					
Password protected programming data	•	•	•	•	•
Keypad lock / Message lock / Power-on PIN	•	•	•	•	•
Express alarm function	•	•	•	N/A	•
Encryption, time authentication (option)	AES+ (256 bit) DiCal-IDEA (128 bit), Boscrypt	AES+ (256 bit) DiCal-IDEA (128 bit), Boscrypt	AES+ (256 bit) DiCal-IDEA (128 bit), Boscrypt	N/A	AES+ (256 bit) DiCal-IDEA (128 bit), Boscrypt
Multichannel (option)	8 channels / scanner	X35: 8 channels / scanner	8 channels / scanner	64 channels / scanner	8 channels / scanner
Bluetooth (R) Low Energy	•	•		•	

(*) depending on the parameter setting

Accessories Terminal Devices



Charger
HURRICANE DUO



Charger
s.QUAD



Charger
s.QUAD with lamp



Multi charger
s.QUAD



Leather case
s.QUAD



Leather case
HURRICANE DUO



Various clips
s.QUAD



Lanyard

Dealer stamp:



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