

Смартфоны серии Smart-Ex 02

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

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Саранск (8342)22-96-24
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
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Тамбов (4752)50-40-97
Тверь (4822)63-31-35

Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Улан-Удэ (3012)59-97-51
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
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Якутск (4112)23-90-97
Ярославль (4852)69-52-93

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Smartphone



Smart-Ex02-ROW-DZ1CHL-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for Chile







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software		
Operating system		Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS		yes
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP68 , MIL-STD-810G
Connection		7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass		approx. 380 g
Dimensions		
W x H x D		82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 19 ATEX 1 068 X
ATEX marking		Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals		
SGS approval		
SGS certificate		CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval		
IECEX certificate		IECEX EPS 19.0031X
IECEX marking		Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
Approved for		Chile
General information		
Note		Android is a trademark of Google LLC.
Scope of delivery		Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1AIC-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, global version



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h

Communication


Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Software


Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

















Matching System Components

	VISOR-EX01-DZ1-AI-GAS-ONLY	Visor-Ex® 01 DZ1, ATEX / IECEx Zone 1 (gas only)
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Accessories

	CR-EX S02	Cradle for Smart-Ex® 02
	RL ID01	Retractable lanyard

Accessories

	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	EXT-C2LCOIL	Clip2Loop coil tether
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1AIC-ANDN00..

- Replaceable SIM
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- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, no camera, global version



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h

Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Software







Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes

Ambient conditions













Technical Data

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	CR-EX S02	Cradle for Smart-Ex® 02
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	EXT-C2LCOIL	Clip2Loop coil tether

Accessories

	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2AIC-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, global version







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc CI I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	Ex-BP S02	Battery pack

Accessories

	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	ST 01	Stylus pen
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2AIC-ANDN00..

- Replaceable SIM
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- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, no camera, global version









Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	













Technical Data

Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc CI I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	Ex-BP S02	Battery pack
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	MINI QD LOOP	Mini QD loop
	LC S02	Leather case for Smart-Ex® 02
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	ST 01	Stylus pen
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1BRA-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for Brazil





Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM















Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
INMETRO approval	
INMETRO certificate	TÜV 19.1226 X
INMETRO marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db
Approved for	Brazil
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster

Accessories

	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CR-EX S02	Cradle for Smart-Ex® 02
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1AIC-ANDCES..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera and eSENTINEL app, global version







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	















Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation eSENTINEL app

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster

Accessories

	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CR-EX S02	Cradle for Smart-Ex® 02
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2AIC-ANDCES..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ21 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera and eSENTINEL app, global version







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc CI I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation eSENTINEL app

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster

Accessories

	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2AIC-ANDCEB..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, Camera Only Mode, global version







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc CI I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Albania, Australia, Austria, Azerbaijan, Belgium, Bosnia-Herzegovina, Brunei, Bulgaria, Canada, Ceuta, Croatia, Czech Republic, Denmark, Egypt, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, India, Iraq, Ireland, Israel, Italy, Kuwait, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malaysia, Malta, Mexico, Montenegro, Myanmar, Netherlands, New Zealand, Norway, Oman, Peru, Philippines, Poland, Portugal, Romania, Saudi Arabia, Serbia, Singapore, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Thailand, Turkey, United Arab Emirates, United Kingdom, Uzbekistan, Vietnam, USA
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation Camera Only Mode

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster

Accessories

	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 &BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1ARG-ANDC00NC

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, without charger, version for Argentina









Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Argentina
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger

Accessories

	CR-EX S02	Cradle for Smart-Ex® 02
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2ARG-ANDC00NC

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, without charger, version for Argentina



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h







Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software		
Operating system		Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS		yes
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP68 , MIL-STD-810G
Connection		7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass		approx. 380 g
Dimensions		
W x H x D		82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 19 ATEX 1 069 X
ATEX marking		Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals		
SGS approval		
SGS certificate		Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc Cl I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval		
IECEX certificate		IECEX EPS 19.0032X
IECEX marking		Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for		Argentina
General information		
Note		Android is a trademark of Google LLC.
Scope of delivery		Smart-Ex® 02 Li-Ion battery USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2CHL-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, version for Chile







Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc Cl I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Chile
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROWDZ1MAI-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1M (DIV 1 and Zone 1/21), latest available Android version, with camera, version for Europe / Mining











Technical Data

General specifications	
Description	Intrinsically safe smartphone certified for Mining
Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes











Technical Data

SIM card	Dual Nano-SIM
Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 255 X
ATEX marking	Ⓜ I M1 Ex ia op is I Ma IP64
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0114X
IECEX marking	Ex ia op is I Ma IP64
Approved for	Europe , Mining
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02

Accessories

	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1QAT-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for Qatar



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h







Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Qatar
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2QAT-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, version for Qatar



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h







Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc Cl I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Qatar
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1ZAF-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for South Africa



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Internal data memory	32 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h

Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Software

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
IA approval	
IA certificate	MASC S/19-6122X
IA marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120 °C Db
Approved for	South Africa
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation



Smartphone



Smart-Ex02-ROW-DZ2BRA-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, version for Brazil





Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc Cl I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
INMETRO approval	
INMETRO certificate	TÜV 19.1226 X
INMETRO marking	Ex ic IIC T4 Gc IP64 Ex ic IIIC T120°C Dc
Approved for	Brazil
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	Ex-BP S02	Battery pack

Accessories

	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	EXT-C2LCOIL	Clip2Loop coil tether
	MINI QD LOOP	Mini QD loop
	LC S02	Leather case for Smart-Ex® 02
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	ST 01	Stylus pen
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2ZAF-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, version for South Africa



Technical Data

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Internal data memory	32 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h

Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Software

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
IA approval	Certificate in preparation.
Approved for	South Africa
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories



Smartphone



Smart-Ex02-ROW-DZ1JPN-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for Japan






Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM
Software	

Technical Data

Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
CML approval	
CML certificate	CML 20JPN2061X
CML marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db
Approved for	Japan
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop

Accessories

	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CR-EX S02	Cradle for Smart-Ex® 02
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1ZAF-ANDCES..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera and eSENTINEL app, version for South Africa



Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Internal data memory	32 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM

Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120°C Db Ta = -20 °C to +60 °C
IA approval	
IA certificate	MASC S/19-6122X
IA marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIIC T120 °C Db
Approved for	South Africa
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation



Smartphone



Smart-Ex02-ROW-DZ1KOR-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for South Korea










Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM












Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
KCC approval	
KCC marking	Ex ib op is IIC T4 Ex ib op is IIC T120°C
Approved for	South Korea
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CR-EX S02	Cradle for Smart-Ex® 02

Accessories

	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ1COL-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1 (DIV 1 and Zone 1/21), latest available Android firmware release, with camera, version for Colombia









Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 068 X
ATEX marking	Ⓜ II 2G Ex ib op is IIC T4 Gb IP64 Ⓜ II 2D Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	CI I, II, III, Division 1 Group A-G T4 IP 64 Ex ib op is IIC T4 Gb Ex ib op is IIC T120°C C Db CI 1 Zn 1, AEx ib op is IIC T4 Gb Zn 21, AEx ib op is IIC T120°C Db Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0031X
IECEX marking	Ex ib op is IIC T4 Gb IP64 Ex ib op is IIC T120°C Db Ta = -20 °C to +60 °C
Approved for	Colombia
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger

Accessories

	CR-EX S02	Cradle for Smart-Ex® 02
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROW-DZ2COL-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Special buttons for lone worker protection (LWP) applications
- Programmable hardware buttons
- Android™ 11 operating system

Smart-Ex 02 DZ2 (DIV 2 and Zone 2/22), latest available Android firmware release, with camera, version for Colombia









Technical Data

Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo
NFC	yes
SIM card	Dual Nano-SIM













Technical Data

Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 069 X
ATEX marking	Ⓜ II 3G Ex ic op is IIC T4 Gc IP64 Ⓜ II 3D Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
International approvals	
SGS approval	
SGS certificate	Class I, II, III, Division 2 Group A-G T4 IP 64 Ex ic IIC T4 Gc Ex ic IIIC T120°C Dc Cl I Zn 2, AEx ic IIC T4 Gc Zn 22, AEx ic IIIC T120°C Dc Ta = -20 °C to +60 °C, IP 64
IECEX approval	
IECEX certificate	IECEX EPS 19.0032X
IECEX marking	Ex ic op is IIC T4 Gc IP64 Ex ic op is IIIC T120°C Dc Ta = -20 °C to +60 °C
Approved for	Colombia
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	RL ID01	Retractable lanyard
	Ex-BP S02	Battery pack
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	LC S02	Leather case for Smart-Ex® 02
	MINI QD LOOP	Mini QD loop
	DS S02	Docking station
	CC S01-R	Car charger
	BC-Ex	Belt clip with QuickFix
	ST 01	Stylus pen
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	CR-EX S02	Cradle for Smart-Ex® 02
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix



Smartphone



Smart-Ex02-ROWDZ1MZAF-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1M (DIV 1 and Zone 1/21), latest available Android version, with camera, version for South Africa / Mining



Technical Data

General specifications

Description: Intrinsically safe smartphone certified for Mining

Hardware

Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Internal data memory	32 GByte
Optional data memory	Micro SD flash card up to 128 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options

Indicators/operating means

Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features

Electrical specifications

Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h

Communication

Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo

Technical Data

NFC	yes
SIM card	Dual Nano-SIM
Software	
Operating system	Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS	yes
Ambient conditions	
Ambient temperature	-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications	
Degree of protection	IP68 , MIL-STD-810G
Connection	7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass	approx. 380 g
Dimensions	
W x H x D	82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas	
ATEX approval	
ATEX certificate	EPS 19 ATEX 1 255 X
ATEX marking	Ⓜ I M1 Ex ia op is I Ma IP64
International approvals	
IECEX approval	
IECEX certificate	IECEX EPS 19.0114X
IECEX marking	Ex ia op is I Ma IP64
IA approval	
IA certificate	MASC M/20-8600X
IA marking	Ex ia op is I Ma IP64
Approved for	South Africa , Mining
General information	
Note	Android is a trademark of Google LLC.
Scope of delivery	Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

По вопросам продаж и поддержки обращайтесь:

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