



**ZONE 1/21
CL I / DIV 1**

IS530.1

**Always a step ahead!
The smart and innovative
Zone 1/CI I Div1-smartphone
with the most advanced
technology:**

**First Bluetooth® 5 industrial
smartphone with multifunc-
tional ISM interface, a huge
internal memory 64 GB and
the highest camera resolution
of its class.**

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TECHNICAL FEATURES



ATEX approval:
EX-Zone 1/21
⊙ II 2G Ex ib IIC T4 Gb
⊙ II 2D Ex ib IIC T135°C
Db IP6X



IECEx approval:
EX-Zone 1/21
Ex ib IIC T4 Gb
Ex ib IIC T135°C Db IP6X



Approved for
North America:
Class I, II, III Division 1
Groups A B C D E F G, T4
Intrinsically Safe



Android™ 9



2,4GHz + 5GHz: IEEE
802.11a/ b/g/n/ac/e/k/r/h
with max. 8 connections
hotspot



GSM 850/900/1800/
1900 MHz
WCDMA: UMTS B1/2/4/5/8
LTE-TDD: B38/B39/B40/B41
LTE-FDD: B1/2/3/4/5/7/8/12
with MFBI B13/14/17/20/25/
26/28A/28B/29/30/66
TD-SCDMA: B34/B39



Bluetooth® 5



Size: 155 x 80 x 25 mm,
weight: 325 g



External memory
microSD up to 128 GB



2 cameras: 13 MP AF
rear camera and 5 MP
front camera



Qualcomm Snapdragon
SDM660 Octa-Core
Kryo Gold-Quad cores
2.2GHz
Kryo Silver-Quad cores
1.8GHz
4 GB RAM
64 GB internal memory
54 GB accessible



Dual micro SIM



Near Field
Communication



SOS-key for additional
app



Universal, lateral
ISM interfa, ce

FURTHER FEATURES



Waterproof: 1 hour
up to 2 m, impervious to
dust and microparticles



Operation range from
-20 °C to 60 °C



Drop-protection,
tested against: vibrations,
shock and extreme
temperatures.



4,5" Gorilla Glass®
3. generation,
resolution 854 x 480 pixel



Usable with gloves



Amplified loudspeaker



3600 mAh battery,
replaceable,
3,8V; 13,68Wh



GPS, A-GPS, Glonass,
A-Glonass, Beidou,
Galileo



Location, gyroscope,
gravity, ambient light,
magnetic- and proximity



Push-To-Talk
PTT ready (third party
application provided)



Loneworker protection
LWP ready (third party
application provided)



Quick charge with
magnetic charging port

CONTENTS

Smartphone, battery, i.safe PROTECTOR 2.0 USB cable, i.safe PROTECTOR 3.0 USB cable, charger, quick start manual and safety instructions



ZONE 1/21



IS-MP.1

The IS-MP.1 is a handheld reader for easy and efficient reading of RFID/NFC TAGs located closely together or positioned in areas that are difficult to access. The TAG information can be viewed directly on the OLED display, transferred via Bluetooth or read from the storage via USB.

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TECHNICAL FEATURES



ATEX Zulassung:
EX-Zone 1/21
Ⓜ II 2G Ex ib IIC T4 Gb
Ⓜ II 2D Ex ib IIIC T135°C
Db IP6X



IECEx approval:
EX-zone 1/21
Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db IP6X



vibration feedback



size:
190 x 30 x 35 mm,
weight: 130 g



1000mAh, up to 2.000
Bluetooth readings



memory for
1.000 readings



Bluetooth® 4.0 LE



OLED-display



1 ... 3 cm
reading distance



RFID/NFC tag-reader*:
LF 125kHz,
LF 134,2 kHz
FDX-B + HDX,
HF and NFC 13,56 MHz,
UHF 868 MHz



* = Allows individual configuration.

FURTHER FEATURES



IP64 certified



operation range from
-20 °C to 60 °C



real-time clock



applications available
for ANDROID OS and
WIN OS

CONTENTS

IS-MP.1, USB cable i.safe PROTECTOR, charger, quick start manual and safety instructions

**ZONE 1/21
CL I,II,III DIV. 1**



< HMT-1Z1 >

Safer. Faster. Smarter.
The HMT-1Z1 is the world's first
intrinsically safe hands-free
Android™ tablet class wearable
computer for industrial workers.

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TECHNICAL FEATURES



ATEX approval:
EX-zone 1/21
⊗ II 2G Ex ib IIC T4 Gb
⊗ II 2D Ex ib IIC T135°C Db IP6X



IECEx approval:
EX-zone 1/21
Ex ib IIC T4 Gb
Ex ib IIC T135°C Db IP6X



Approved for North America:
Class I, II, III Division 1
Groups A B C D E F G, T4
Intrinsically Safe



Android™ 8.1.0
+ WearHF™ hands-free interface



2.4GHz and 5GHz:
802.11a/b/g/n/ac



Bluetooth® 4.1 LE



2.0 GHz Qualcomm Snapdragon 625 with Adreno 506 GPU - OpenGL ES3.1 & OpenCL 2.0, 2 GB RAM, 16 GB internal memory



external memory
microSD card



Includes applications:
document navigator,
camera with barcode-reader,
video recorder,
media player



weight: 430 g



16 MP 4-image stabilized,
PDAF with LED flashlight

FURTHER FEATURES



protected against dust and water, 2 meter drop



drop-protection,
tested against: extreme temperatures, barometric pressure, humidity and vibrations.



20° field-of-view, 1 m fixed focus, 24-bit color LCD, 0.33 inch diagonal, outdoor visible, resolution WVGA 854 x 480 pixel



100% hands free



Internal 91dB loud-speaker
4 digital microphones with active noise cancellation



integrated 3400 mAh battery, full shift (9-10 hrs) with typical use



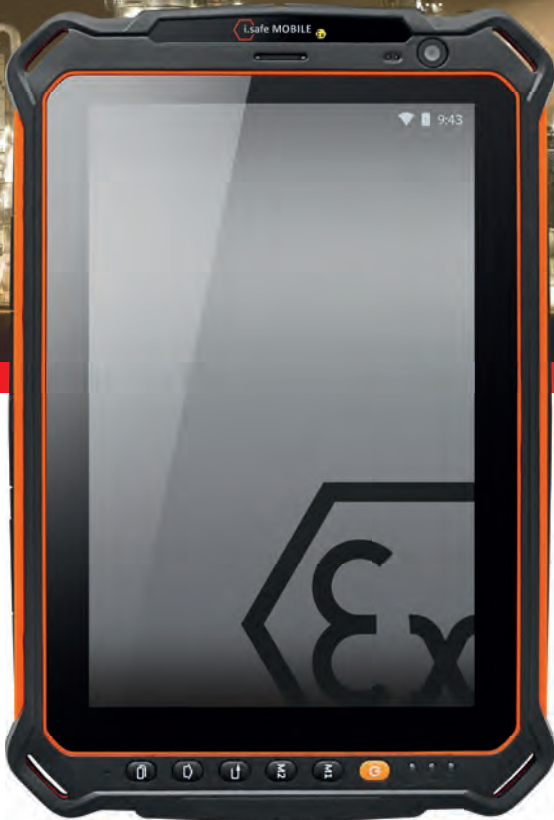
GPS, Glonass, BeiDou, Baidu A-GPS



PPE COMPATIBLE
Designed to work with standard hard helmets, bump caps and safety glasses

CONTENTS

Head-mounted tablet with integrated battery, Semi Rigid Carrying Case, overhead strap, rear pad, hard hat clips (3 pairs), USB cable i.safe PROTECTOR, charger, quickstart manual and safety instructions,



**ZONE 1/21
CL I / DIV 1**

< IS930.1 >

The IS930.1 is the tablet for use in ATEX Zones 1/21 and 1/CI I Div1. The 8" tablet is highly robust, powerful and offers many technical advantages: 8.400 mAh Battery, Qualcomm Snapdragon SDM 660, NFC, Android™ 9.0.

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TECHNICAL FEATURES



ATEX: Ex-Zone 1/21
 Ⓢ II 2G Ex ib IIC T4 Gb
 Ⓢ II 2D Ex ib IIIC T135°C
 Db IP6X



IECEx: Ex-Zone 1/21
 Ex ib IIC T4 Gb
 Ex ib IIIC T135°C Db IP6X



Approval applied for
 North America:
 Class I, II, III Division 1
 Groups A B C D E F G, T4
 Intrinsically Safe



Approval applied for
 Russia:
 1Ex ib IIC T4 Gb X
 Ex ib IIIC T135°C Db X
 IP64



Android 9.0



GSM 850/900/1800/
 1900 MHz
 WCDMA: UMTS B1/2/4/5/8
 LTE-TDD: B38/B39/B40/B41
 LTE-FDD: B1/2/3/4/5/7/8/12
 with MFB1 B13/14/17/20/25/
 26/28A/28B/29/30/66
 TD-SCDMA: B34/B39



2,4GHz + 5GHz: IEEE
 802.11a/ b/g/n/ac/e/k/r/h
 with max. 8 connections
 hotspot



Bluetooth® 5.0



size: 237 x 156 x 22 mm,
 weight: 890 g



external memory
 microSD up to 128 GB



Near Field
 Communication



magnetic charging port



2 cameras:
 13 MP AF rear camera and
 5 MP front camera



SOS-key for additional
 app



Qualcomm Snapdragon
 SDM660 Octa-Core
 Kryo Gold-Quad cores
 2.2GHz
 Kryo Silver-Quad cores
 1.8GHz
 4 GB RAM
 64 GB internal memory
 54 GB accessible

FURTHER FEATURES



waterproof: 1 hour
 up to 2 m, impervious to
 dust and microparticles



operation range from
 -20 °C to 60 °C



8" RugDisplay-Glass
 multi capacitive touch-
 screen with a resolution
 of 1200 x 1920 pixel



usable with gloves



8.400 mAh battery



GPS, A-GPS, Glonass,
 A-Glonass, Beidou,
 Galileo



Location, acceleration,
 gravity, linear acceleration,
 gyroscope, ambient light,
 temperatur and humidity,
 magnetic, proximity and
 pressure sensor



Push-To-Talk
 PTT ready (third party
 application provided)



Loneworker protection
 LWP ready (third party
 application provided)

CONTENTS

Tablet with integrated battery, charger, i.safe PROTECTOR 2.0 USB cable,
 i.safe PROTECTOR 3.0 USB cable, quick start manual and safety instructions

i.safe MOBILE

**ZONA 1/21
CL I, II, III DIV 1**



android
enterprise
recommended



Push-To-Talk



**Interfaz ISM universal
de 13 polos**



Android™ 10

IS330.1

El teléfono móvil profesional se puede utilizar como una radio con su pulsador PTT y también es adecuado para comunicaciones MCPTT especiales gracias a su interfaz ISM para su uso con otros accesorios, como auriculares RSM o PTT. El dispositivo recomendado por Android Enterprises es compatible con la operación autónoma, y se puede administrar claramente a través de un sistema MDM. La potente batería y la opción de carga a través del escritorio o de un cargador múltiple completan los aspectos más destacados de este dispositivo móvil agradable al tacto y muy robusto.

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i.safe MOBILE

< IS330.1 >



ATEX aprobado para: EX-Zona 1/21
Ⓜ II 2G Ex ib IIC T4 Gb
Ⓜ II 2D Ex ib IIIC T135°C Db IP6X



IECEx aprobado para: EX-Zona 1/21
Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db IP6X



NEC500 aprobado para:
Class I, II, III Division 1
Groups A B C D E F G T4



EAC aprobado para:
1Ex ib IIC T4 Gb X
Ex ib IIIC T135°C Dc X

Otras aprobaciones: JNIOSH (Japón)

CARACTERÍSTICAS TÉCNICAS

Sistema operativo	Android™ 10
Procesador	SDM660 Octa-Core (Kryo Gold-Quad cores 2,2 GHz; Kryo Silver-Quad cores 1,8 GHz)
Memoria	4 GB RAM 64 GB memoria interna microSD memoria hasta 128 GB
Frecuencias	2G GSM: 850/900/1800/1900 MHz 3G WCDMA: UMTS B1/2/4/5/8 4G LTE-FDD: B1/2/3/4/5/7/8/12 con MFBI B13/14/17/20/25/26/28A/28B/29/30/66 4G LTE-TDD: B38/B39/B40/B41 4G LTE-SCDMA: B34/B39
Dimensiones	Tamaño: 152,8 x 62 x 26,7 mm Peso: 318 g
Pantalla	2,6" Gorilla Glass® 3a generación resolución 320 x 432 pixel
Batería	4050 (typ. 4200) mAh, 3,8 V, 14,98 Wh batería recambiable
Cámara	13 MP AF cámara trasera 5 MP FF cámara frontal
Conexiones	WiFi 2,4 GHz + 5 GHz: IEEE 802.11 a/b/g/n/ac/e/k/r/h con max. 8 conexiones hotspot Bluetooth® 5 GPS, A-GPS, Glonass, Beidou, Galileo Near Field Communication
Clase de protección	IP68 prueba de polvo y agua MIL-STD-810G Puede ser utilizado por -20 °C hasta +60 °C

OTRAS CARACTERÍSTICAS



Tecla de pulsar para hablar | Preparado para PTT (se requiere la aplicación de un tercero, según las aprobaciones específicas de cada país)



Interfaz ISM (multifuncional) universal de 13 polos para conectar dispositivos adicionales para una amplia gama de aplicaciones



Tecla SOS | Protección de trabajador solitario. Listo para LWP (se requiere una aplicación de terceros, según las regulaciones específicas del país)



Altavoz amplificado



Dual nano SIM



Acelerómetro, Giroscopio, Sensor de luz, Sensor magnético, Sensor de proximidad, Sensor de presión

CONTENIDO

Teléfono móvil, batería, cable USB i.safe PROTECTOR 1.0 Tipo C, adaptador de corriente, destornillador, lámina protectora de pantalla, guía de inicio rápido e instrucciones de seguridades

Visite nuestro sitio web y encontrará información más detallada, así como una descripción general de los accesorios compatibles.

Add-on Zone 1/21

IS-SW1.1



SOS key for loneworker protection
LWP ready (third party application
required, based on country specific
regulations)



Accelerometer, Gyroscope,
Magnetic, Pressure, SpO²,
Pulse sensors



Desktop Charger



Vibration alarm

TECHNICAL FEATURES

Operating system	ISM-OS
Memory	1 GB RAM 8 GB internal memory
Dimensions	size: 53,95 x 45,4 x 17,6 mm weight: 70 g
Display	1,6" (4,064 cm) touchscreen 320 x 360 pixels
Battery	500 mAh
Connections	WiFi 2,4 GHz Bluetooth® 5.1 GPS, Glonass, Beidou Near Field Communication
Types of protection	IP68 dust-/waterproof MIL-STD-810H usable from -20 °C to +55 °C
Extra Information	Tensile test bracelet: 28 kgf (tear off)



ATEX approval: Ex-Zone 1/21
⊕ II 2G Ex ib IIC T4 Gb
⊕ II 2D Ex ib IIC T135°C Db



IECEx approval: Ex-Zone 1/21
Ex ib IIC T4 Gb
Ex ib IIC T135°C Db



UKEx approval: Ex-Zone 1/21
⊕ II 2G Ex ib IIC T4 Gb
⊕ II 2D Ex ib IIC T135°C Db

Add-on Zone 1/21

IS-TH1xx.1



Power supply over the connected mobile device



Barcode scanner



Multifunctional, lateral ISM interface for a quick and safe connection of additional devices



&



TECHNICAL FEATURES

Weight	MR = 380 g ER = 400 g (without IS530)
Size	202 x 90,4 x 125 mm
Indication function	Loudspeaker Vibration LED-Display
Power supply	Over IS530 this can be loaded in the handle
Communication	Over the multi functional ISM interface of the IS530
Type of protection	MIL-STD 810H IP68 dust-/waterproof usable from -20 °C to +60 °C

SCAN TYPES

- IS-TH1MR.1 (mid range) with Zebra SE4750 MR | up to 6 m
- IS-TH1ER.1 (extended range) with Zebra SE4850 ER | up to 18 m



ATEX approval: Ex-Zone 1/21
⊗ II 2G Ex ib op is IIC T4 Gb
⊗ II 2D Ex ib op is IIIC T135°C Db



IECEx approval: Ex-Zone 1/21
Ex ib op is IIC T4 Gb
Ex ib op is IIIC T135°C Db



NECS00 approval:
Class I Division 1, Groups A B C D T4
Class II Division 1, Groups E F G T135°C
Class III Division 1

Further approvals: JNIOSH (Japan)

Add-on Zone 1/21

IS-TC1A.1



Power supply over the connected mobile device



TECHNICAL FEATURES

Sensor resolution	200 (h) x 150 (v) 30000 Pixels FixFocus Digital zoom over app
Sensor sensivity	65 mK (typical)
Frame rate	<9 Hz to 32 Hz
Scene dynamic range	-40 °C to 330 °C
Temperature accuracy	± 7 °C and 7 % (at 5 °C to 140 °C) ± 10 °C and 10 % (at 140 °C to 330 °C)
Detection range	up to 300 m
Recognition range	up to 75 m
Identification range	up to 25 m
View range	35° (HFOV) 26° (VFOV)
Dimensions	size: 112 x 82 x 50 mm weight: 190 g
Power supply	over the connected mobile device
Communication	over the multi functional ISM interface of the IS530.1
Types of protection	IP68 MIL-STD 810H useable from -10 °C to + 60 °C



ATEX approval: Ex-Zone 1/21
Ⓜ II 2G Ex Ib IIC T4 Gb
Ⓜ II 2D Ex Ib IIIC T135°C Db



IECEx approval: Ex-Zone 1/21
Ex Ib IIC T4 Gb
Ex Ib IIIC T135°C Db



NEC500 approval applied for:
Class I, II, III Division 1
Groups A B C D E F G T4