

# DATASHEET

## IS440.1



### APPROVALS



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



INMETRO approval:  
 Ex ib IIC T4 Gb  
 Ex ib IIIC T135°C Db

Further approvals: IA (South Africa) | PCEC (China) | KCs (South Korea)

### TECHNICAL FEATURES MODEL M440A01

<b>Operating system</b>	ISM-OS
<b>Processor</b>	Qualcomm® QCM6490 Octa Core
<b>Memory</b>	4 GB RAM   64 GB internal memory
<b>Supported frequency bands</b>	4G LTE-FDD: B1/2/3/4/5/7/8/12 with MFBI/13/14/17/20/25/26/28/29/30/66/68/71 4G LTE-TDD: B38/39/40/41/42/43/48 5G NR: n1/n2/n3/n5/n7/n8/n12/n14/n20/n25/n28/n30/n38/n40/n41/n48/n66/n71/n77/n78/n79
<b>Dimensions</b>	Size: 136,6 x 71,5 x 32 mm   weight: 322 g
<b>Display</b>	2,4"   Corning® Gorilla® Glass 3 <sup>rd</sup> generation   240 x 320 pixels
<b>Battery</b>	2400 mAh (4800 mAh optional)   replaceable
<b>Camera</b>	8 MP AF front camera
<b>SIM support</b>	1 nano SIM + eSIM
<b>Connections</b>	Wi-Fi® 6: IEEE 802.11 a/b/g/n/ac/ax/e/k/r/v Bluetooth® 5.2 GPS, A-GPS, Glonass, A-Glonass, Beidou, Galileo Near Field Communication (NFC)
<b>Interfaces</b>	8-pin ISM interface for optional audio accessories
<b>Sensors</b>	Accelerometer, Gyroscope, Magnetic, Pressure sensors
<b>Types of protection</b>	IP68 dust-/waterproof   MIL-STD-810H   usable from -20 °C to +55 °C

### FURTHER FEATURES

Red key top | Optional functions assignable via Button App (system integrated), e.g. LWP

Side key left | Optional functions assignable via Button App (system integrated), e.g. PTT

Channel selector knob (top)

Function key: M1 & M2 assignable via Button App

Amplified loudspeaker

Charging contacts for Desktop Charger

Integrated Belt clip

### SET CONTENT

5G Radio, Battery, i.safe PROTECTOR 2.0 Type C USB Cable, Power Adapter universal, Screwdriver, Display Protection Foil, Belt clip and Safety Instructions

Please visit our website and you will find more detailed information, as well as an overview of compatible accessories.