

5G RADIO ZONE 1/21

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 Div. 1 Groups A, B, C, D, T4
Class II Div. 1 Groups E, F, G, T4
Class III Div. 1 T4



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

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

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

TECHNICAL FEATURES

Model M440A01

OPERATING SYSTEM

ISM-OS 13

PROCESSOR

Qualcomm® QCM6490 Octa Core

MEMORY

4 GB RAM | 64 GB internal memory

SUPPORTED FREQUENCY BANDS

4G LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1/13/14/17/20/25/26/28/29/30/66/68/71
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

DIMENSIONS

Size: 136,6 x 71,5 x 32 mm | weight: 322 g

DISPLAY

2,4" | Corning® Gorilla® Glass 3rd generation | 240 x 320 pixels

BATTERY

2400 mAh (4800 mAh optional) | replaceable

CAMERA

8 MP AF front camera

SIM SUPPORT

1 nano SIM + eSIM

CONNECTIONS

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)

INTERFACES

8-pin ISM interface for optional audio accessories

SENSORS

Accelerometer, Gyroscope, Magnetic, Pressure sensors

TYPES OF PROTECTION

IP68 dust-/waterproof | MIL-STD-810H | usable from -20 °C to +55 °C

FURTHER FEATURES

FUNCTION KEY RED

Optional functions assignable via Button App (system integrated), e.g. LWP

FUNCTION KEYS 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

