

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 3 rd 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

