EVOLVE

SMART HANDHELD DEVICE

BUILT FOR BUSINESS AND MISSION-CRITICAL ENVIRONMENTS

The evolve smart handheld device combines intuitive user experience and open platform architecture with the ruggedness and reliability expected of a critical communications device. Evolve enables seamless communications across different locations and networks.

Evolve is also available in an intrinsically safe model for users who need reliable communications in hazardous environments.[1]

EVOLVE AT A GLANCE

2 MODELS AVAILABLE

- Standard model
- Intrinsically safe model[1]

RESILIENT AND INTRINSICALLY SAFE

- Dustproof and submersible IP68
- Glove operable touch screen
- Built to withstand repeated drops
- Long life and replaceable battery

SEAMLESS CONNECTIVITY

- 3G, 4G, Wi-Fi
- Dual SIM capability
- Ideal companion for WAVE PTX™

MISSION-CRITICAL

- Dedicated emergency and PTT buttons
- Loud, clear audio
- MIL-STD-810

OPEN ARCHITECTURE

- Android platform
- Open app ecosystem
- Centralised device management

INTUITIVE USER EXPERIENCE

- Simple interface
- 5" touch screen
- Front and rear facing cameras

MOTOROLA SOLUTIONS

HARDWARE

Models	Standard model Intrinsically safe model¹
Display	5.0 in (127 mm), 1280 x 720 px Capacitive touch-screen with Corning® Gorilla® Glass 3
Memory	4 GB RAM 64 GB Internal Storage Storage is expandable with external 128 GB microSD™ card
Camera	Rear 13 MP Auto focus High-output LED flash Digital zoom Front 8 MP
Built In sensors	Proximity sensor Ambient light sensor Accelerometer Barometer Gyroscope E-Compass
Ports	Micro USB 2.5 mm audio jack
Knobs/Buttons	Dedicated PTT button Dedicated emergency button Talkgroup rocker switch 3 programmable buttons Volume knob with power switch Home, Back and Recent buttons
Charging	Contacts on side, micro USB
SIM	2 x micro-3FF, dual SIM (DSDS)

PHYSICAL

Dimensions (HxWxD)	Standard model with standard battery: 154 x 78 x 18.5 mm Standard model with high-capacity battery: 154 x 78 x 22.5 mm Intrinsically safe model¹ with high-capacity Hazloc battery: 154 x 78 x 22.5 mm
Weight	Standard model with standard battery: 333g Standard model with high-capacity battery: 395g Intrinsically safe model¹ with high-capacity Hazloc battery: 395g

CONNECTIVITY

LTE Bands	1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19, 20, 21, 28, 42, 43, 48 UMTS: 1, 2, 5, 8
Supported WCDMA	1,2,5,8
Bluetooth	Bluetooth 5.0 + LE +BR/EDR
Location	GNSS (GPS, Galileo and Glonass), BeiDou and AGPS
Wi-Fi	2.4 GHz and 5 GHz
Wi-Fi Standard	802.11 a/b/g/n/ac/r/k/v
Wi-Fi Hotspot Band	2.4 GHz

SOFTWARE

Operating System	Android™ 10.0 Android Enterprise
Google Mobility Services	Enabled

VIDEO AND IMAGING

Supported Formats	MPEG4, H.264, MP3, AAC, AMR, JPG, PNG, GIF Encode Type: MPEG4, H.264-MP, H.265 (HW Accelerated) Decode Type: H.265 Video Param: H.264-BP, H.264-MP, MPEG-SP (VGA to 1080p HD, @60fps at minimum) Supported for playback, streaming, and recording
Supported File Types	3GPP (.3gp), MPEG-4 (.mp4), WebM (.webm), (.mkv)
Video Recording Quality	1080p (FHD) at 60 fps

AUDIO

Input	Three microphones for superior noise suppression and echo cancellation
Output	2W top-rear-firing loudspeaker Loudness level: 97 dB Phon at 30 cm
Audio Formats	AMR-NB/WB, AAC-LC (96-128 kbps), EVS

BATTERY

Capacity	Standard model with standard battery: 2900 mAh Standard model with High Capacity battery: 5800 mAh Intrinsically safe model¹ with high- capacity Hazloc battery: 5800 mAh

SECURITY

Root Detection	Standard
Multi-Factor Authentication	Optional
Mobile Virtual Private Network	Optional
Remote Configuration	Trusted 3rd party provided
OTA Firmware and Software Upgrades	Trusted 3rd party provided
Allowed Application List	Trusted 3rd party provided
Over-the-Air Wipe and Lock	Trusted 3rd party provided
Integrity Monitoring	Standard
Malware Blocking	Standard

ENVIRONMENTAL

Operating Temperature	Standard model -10°C to +60°C Intrinsically safe model¹ -20°C to +60°C
Storage Temperature	-40°C to +85°C
Ruggedness	IP68 (2 metres underwater for 2 hours with AJ/USB/Battery covers fully closed) MIL-STD-810G

INTRINSICALLY SAFE MODEL FOR HAZARDOUS LOCATIONS

Gas Hazardous Locations Classification Rating	Class I, Division 1, Groups C, D; Class I, Division 2, Groups A, B, C, D
TAMB Temperature	-20°C to +60°C
Dust Hazardous Locations Classification Rating	Class II, Division 1, Groups E,F,G Class III
TAMB Temperature	-20°C to +60°C

¹ When using the intrinsically safe Evolve model and Motorola Solutions UL approved battery, the intrinsically safe Evolve model is UL approved to 913_5 for use in Hazardous Locations. Classification Rating Class I, Division 1, Groups C, D; Class II Group E, F, G;Class III and Class I, Division 2, Groups A, B, C, D. T3C. Tamb = -20°C to +60°C

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For more information, please visit **www.motorolasolutions.com/Evolve**

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