

Nitro™



EVOLVE LTE HANDHELD

Evolve combines the data capabilities of an Android device with the ruggedness and reliability of a business-critical push-to-talk device. A CBRS-ready LTE handheld built for business, it is ready to evolve with your changing network needs.

BUILT FOR ANY ENVIRONMENT

- Rugged and resilient
- Power for multiple shifts
- Superior audio quality

EXTENSIVELY CONNECTED

- Seamless broadband data
- Intuitive voice communication
- Motorola technology ecosystem

INTELLIGENT INTERFACE

- Android platform
- Open app ecosystem
- Full multimedia capabilities

ENTERPRISE-READY

- Comprehensive fleet control
- Predictable ownership costs
- Easy device updates

Product Highlights

- Rugged IP68 device with glove-operable and liquid-resistant touch screen
- Multi-shift energy solution with quick-changing batteries and multiple battery options
- CBRS private LTE and Wi-Fi data and voice
- Dedicated push-to-talk device with MOTOTRBO voice interoperability
- Android platform with open app ecosystem



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 |
| Bluetooth | Bluetooth 5.0 + LE +BR/EDR |
| Location | GNSS (GPS, Beidou and Glonass) and AGPS |
| WiFi | 2.4GHz and 5GHz |
| WiFi standard | 802.11 a/b/g/n |
| WiFi Hotspot band | 2.4GHz |

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 <ul style="list-style-type: none">Encode Type: MPEG4, H.264-MP, H.265 (HW Accelerated)Decode Type: H.265Video 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 |

ENVIRONMENTAL

| | |
|-----------------------|---|
| Operating Temperature | -10°C to +60°C |
| Storage Temperature | -40°C to +85°C |
| Ruggedness | IP68 (Underwater for 2 meters, 2 hours with AJ/USB/Battery covers fully closed) MIL STD 810G |

PHYSICAL

| | |
|--|--|
| Dimensions (HxWxD) with Standard Battery | 154 x 78 x 17 mm (18.5 mm Speaker area) |
| Dimensions (HxWxD) with Hi-Cap Battery | 154 x 78 x 22.5 mm (18.5 mm Speaker area) |
| Weight with Standard Battery | 350g |
| Weight with Hi-Cap Battery | 400g |

HARDWARE

| | |
|-----------------|--|
| Display | 5.0 in (127 mm), 1280 x 720 px Capacitive touch-screen with 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 |
| Sensor Platform | Sensor Proximity sensor Ambient light sensor Accelerometer Barometer Gyroscope E-Compass |
| Ports | Micro USB 2.5 mm audio jack |
| Knob/Buttons | Dedicated PTT button Dedicated emergency button Talkgroup rocker switch 2 programmable buttons Volume knob with power switch Voice/virtual assistant button Home, back, and recent buttons |
| Charging | Contacts on side, micro USB |
| SIM | 2 x micro-3FF, dual SIM (DSDS) |

BATTERY

| | |
|--------------|---|
| Capacity | Standard capacity: 2900mAh [Non-UL] High capacity: 5800 mAh [UL] |
| Battery life | 12 hrs 5:5:90 minimum |

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 |
| Application Whitelisting | Trusted 3rd party provided |
| Over-the-Air Wipe and Lock | Trusted 3rd party provided |
| Integrity Monitoring | Standard |
| Malware Blocking | Standard |

AUDIO

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



**EVOLVE
LTE
HANDHELD**

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



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