# 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 use on an exclusive spectrum (CBRS)

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 RUGGED

- 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
- Centralized device management

### INTUITIVE USER EXPERIENCE

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



MOTOROLA SOLUTIONS

| HARDWARE | |
|---|---|
| Models | Standard model<br>Intrinsically safe model' |
| Display | 5.0 in (127 mm), 1280 x 720 px<br>Capacitive touch-screen with<br>Corning® Gorilla®Glass 3 |
| Memory | 4 GB RAM<br>64 GB Internal Storage<br>Storage is expandable with<br>external 128 GB microSD™ card |
| Camera | Rear 13 MP<br>Auto focus<br>High-output LED flash<br>Digital zoom<br>Front 8 MP |
| Built In sensors | Proximity sensor<br>Ambient light sensor<br>Accelerometer<br>Barometer<br>Gyroscope<br>E-Compass |
| Ports | Micro USB<br>2.5 mm audio jack |
| Knobs/Buttons | Dedicated PTT button<br>Dedicated emergency button<br>Talkgroup rocker switch<br>3 programmable buttons<br>Volume knob with power switch<br>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<br>standard battery:<br>6.06 x 3.07 x 0.73 in<br>154 x 78 x 18.5 mm<br>Standard model with<br>high-capacity battery:<br>6.06 x 3.07 x 0.89 in<br>154 x 78 x 22.5 mm<br>Intrinsically safe model' with<br>high-capacity Hazloc battery:<br>6.06 x 3.07 x 0.89 in<br>154 x 78 x 22.5 mm |
| Weight | Standard model with<br>standard battery: 11.8 oz (333 g)<br>Standard model with<br>high-capacity battery: 13.9 oz (395 g)<br>Intrinsically safe model' with<br>high-capacity Hazloc battery:<br>13.9 oz (395 g) |

| CONNECTIVITY | |
|---|---|
| LTE Bands | 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 19,<br>20, 21, 28, 42, 43, 48<br>UMTS: 1, 2, 5, 8 |
| Supported WCDMA | 1,2,5,8 |
| Bluetooth | Bluetooth 5.0 + LE + BR/EDR |
| Location | GNSS (GPS, Galileo and<br>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<br>Android Enterprise |
| Google Mobility Services | Enabled |
| **VIDEO AND IMAGING** | |
| Supported Formats | MPEG4, H.264, MP3, AAC,<br>AMR, JPG, PNG, GIF<br>Encode Type: MPEG4,<br>H.264-MP, H.265<br>(HW Accelerated)<br>Decode Type:<br>H.265 Video<br>Param: H.264-BP, H.264-MP,<br>MPEG-SP (VGA to 1080p HD,<br>@60fps at minimum)<br>Supported for playback,<br>streaming, and recording |
| Supported File Types | 3GPP (.3gp), MPEG-4 (.mp4),<br>WebM (.webm), (.mkv) |
| Video Recording Quality | 1080p (FHD) at 60 fps |
| **AUDIO** | |
| Input | Three microphones for<br>superior noise suppression<br>and echo cancellation |
| Output | 2W top-rear-firing loudspeaker<br>Loudness level:<br>97 dB Phon at 30 cm |
| Audio Formats | AMR-NB/WB,<br>AAC-LC (96-128 kbps), EVS |

| BATTERY | |
|---|---|
| Capacity | Standard model with<br>standard battery:<br>2900 mAh<br>Standard model with<br>High Capacity battery:<br>5800 mAh<br>Intrinsically safe model' with high-<br>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<br>14°F to 140°F (-10°C to +60°C)<br>Intrinsically safe model'<br>-4°F to 140°F (-20°C to +60°C) |
| Storage Temperature | -40°F to 185°F (-40°C to +85°C) |
| Ruggedness | IP68 (2 metres underwater for<br>2 hours with AJ/USB/Battery<br>covers fully closed)<br>MIL-STD-810G |
| **INTRINSICALLY SAFE MODEL FOR HAZARDOUS LOCATIONS** | |
| Gas Hazardous Locations Classification Rating | Class I, Division 1, Groups C, D;<br>Class I, Division 2, Groups A, B, C, D |
| TAMB Temperature | -4°F to +140° F (-20°C to to +60°C) |
| Dust Hazardous Locations Classification Rating | Class II, Division 1, Groups E,F,G<br>Class III |
| TAMB Temperature | -4°F to +140° F (-20°C to to +60°C) |

' 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 = -4°F to +140° F (-20°C to to +60°C)



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

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Availability is subject to individual country law and regulations. All specifications shown are typical unless otherwise stated and are subject to change without notice.

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