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

MOTOROLA *SOLUTIONS*

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 • 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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