EVOLVE

LTE HANDHELD

Be more connected to your enterprise and make intelligent business decisions on the fly.

Maximize the potential of CBRS with the Evolve LTE handheld – combining the capabilities of an Android device with the ruggedness and reliability of a business-critical radio, using CBRS private LTE and Wi-Fi.

With a dedicated PTT button, voice interoperability with DMR and LTE voice devices, data and voice connectivity over private LTE CBRS and Wi-Fi, bluetooth for next-generation accessory and third-party connectivity, and access to the growing Motorola technology and software ecosystem, this device works to grow with the network configuration of your enterprise.

KEY SELLING FEATURES

EVOLVE, BUSINESS COMMUNICATION IS ADAPTING

- GMS Certified Android Device[1]
- Broadband data and LTE Voice
- Interoperable with existing Land Mobile Radio networks and devices (app subscription required)
- Supports CBRS (Citizens Broadband Radio Service) Band 48 for private LTE network compatibility

EVOLVE TO ENHANCED AUDIO

- Wideband audio for rich, natural voice communications
- Robust speaker for loud audio
- Purpose-built accessories to choose from including Bluetooth earpieces and speaker mics

BUILT FOR WORK, NOT PLAY

- Dedicated Push-To-Talk operation
- IP68 Dust and Water Sealing[1]
- High Capacity, long lasting removable batteries
- Standard or Hazloc UL Intrinsically Safe Certified models and batteries[1]

EFFICIENCY IS ADAPTING

- 5' Rugged Touchscreen
- Front/Rear Cameras for streaming video or barcode scanning
- Voice Commands for hands-free operation

OTHER FEATURES

- **Android Operating System -** Have access to your Google Suite and download apps from the Google Play Store
- **Safety -** Programmable top emergency button for a fast response.
- **Dual Physical Sim -** Easily connect to LTE or private LTE networks securely via SIM by having two SIM cards in your Evolve at any given time.
- **Over-the-Air Updates -** Have the peace of mind knowing your device is updated with some of the latest and greatest features and functionality.
- **Hot Spot -** Support up to 8 other devices to stay connected.
- **Voice Command -** Communicate with your Evolve using voice commands customized to fit your needs.
- **Additional Features -** GPS, Indoor location support.

TARGET MARKETS

- Manufacturing/Warehouse
- Hospitality
- Transportation/Logistics
- Retail
- Construction
- Education
- Medical

WHY EVOLVE?

● MULTIPLE MODES OF OPERATION

Whether it's a Private LTE solution you are looking for, or even just operation on your WiFi network, the Evolve model can provide customers with many options on how to best build out a network that meets their technical and budgetary requirements. With two physical SIMslots, the device is ready to go without manual switching of SIMs or technically challenging porting to eSims[2]. You may want private LTE CBRS solutions covering your main facilities, but have remote locations that don't merit small cell eNodeB coverage due to limited workforce and IOT requirements. So devices can be connected to your WiFi network to tie into your PTT service and connect with their areas covered with private LTE.

● SECURITY CAPABILITIES

LTE grade security is a big improvement over WiFi solutions for data and voice privacy and security[1]. Using a CBRS network like NITRO gives you control over what devices can access the network through the specially provisioned SIM card through various certifications and applications, such as Linux user-based protection,Verified Boot, and Protected Confirmation. Customers can have peace of mind knowing that security is a top priority of MSI and our products.

● SOLUTIONS INTEGRATION OPPORTUNITIES

This device supports an open API framework for development, which can drive customized solutions to integrate with featured MSI applications, with third party or customer applications, ERP networks, video surveillance solutions, or any number of productivity and safety use cases. These integrations can be part of the larger solutions discussions with your sales representative, or MSI can provide the information needed to implement independently.

● DISPATCH SOLUTION FRIENDLY

Location services, emergency notifications, call recording, instant alert and video streaming services help your business run at peak efficiency. Dispatchers can help coordinate efforts, be an instant responder in urgent situations and manage their mobile workforce virtually anywhere.

Features	Evolve	Why Motorola Solutions **Evolve**?
MULTIPLE MODES OF OPERATION		
Private LTE/CBRS	✅	Take advantage of the ability to **Evolve** to a private LTE, CBRS-enabled network. Have confidence knowing your network is secure and using enterprise-grade technology to deliver data at ultra-fast speeds (up to 2 times the speed of WiFi*).
WiFi Operation	✅	**Evolve** can be used on your existing WiFi network for full device functionality. Stay connected using current available technology while having the ability to utilize others as needed when you are ready.
ENERGY MANAGEMENT		
Removable and Replaceable Batteries	✅	The average smartphone today does not have batteries that can be easily replaced for multi-shift use. **Evolve** does. Have confidence knowing your device can stay powered on and operational without having to take it out of service to plug the battery in to the wall to charge.
Long Battery Life	✅	In addition to removable/replaceable batteries, the high capacity batteries (standard 2900 mAh and 5800 mAh[1]) are designed to provide double digit hours of standard business level operation with **Evolve**.
UL TIA-4950 Class I, II & III Div 1 certified Hazloc Battery option	✅	**Evolve** is built to be used in different types of environments. Being UL certified for Hazloc environments[1] gives you another option for communication while maintaining safety standards other smart devices can't always provide.
AUDIO		
Speaker Loudness	✅	Enterprise environments can be especially noisy. Factories with machinery running, Airports, arenas, parks have lots of people and machines moving about...all that background noise just drowns out your device loudspeaker. At over 96dbphon, **Evolve** will be able to cut through the audible clutter in your work environment, virtually without the need of additional accessories (which are also available).
Wideband Audio	✅	Wideband audio provides a natural and clear sound, as if the person you are communicating with is right in the room

BATTLE CARD | EVOLVE

Features	Evolve	Why Motorola Solutions Evolve?
SOLUTION INTEGRATION OPPORTUNITIES		
Motorola Solutions Applications	✓	Motorola Solutions has one of the largest ADP (Application Developer Program) partners in the 2-Way radio industry. Take advantage of all that Motorola has to offer to find various applications to fit your needs and integrate into your business.
Security/Safety Applications	✓	**Evolve** can also integrate with various safety applications, be it Motorola Solutions or third party applications. Video surveillance, ERP networks, and many other types of applications to make your business as productive as it can be virtually without compromising safety.
RUGGEDNESS		
3 Year Warranty	✓	Drop tests, extreme temperatures, water exposure, dust and debris, vibration and other adverse conditions which would wear down many consumer grade devices, helps keep **Evolve** in operation. MSI's Essential Services 3 year warranty for **Evolve** typically exceeds the warranty on most consumer smart devices.
IP68 Rated	✓	**Evolve** has an Ingress Protection rating of IP68, making it submersible in up to 1 meter of water for up to 30 minutes[1].
5 Inch Rugged Touchscreen	✓	**Evolve** was designed to be used in tough environments, with a recessed, rugged, gorilla-glass touchscreen to help withstand day-to-day operations.
ERGONOMICS AND DESIGN		
Simple and Easy to Operate	✓	**Evolve** has been designed with simplicity in mind to allow for out of the box, "ready to use" experience, with intuitive operation that allows new users just to grab and go into action.
Dedicated Push-To-Talk	✓	**Evolve** has a dedicated PTT button, which allows for instant communications with your contact or group of contacts at a single button push (compared to a smartphone, which you may have to unlock your device, pull up the application you want to use (be it your phone app, text, or even PTT app), identify the contact you want to connect to, and initiate the call).
Programmable Emergency Button	✓	**Evolve's** orange button can be programmed for an emergency call, similar to Motorola's line of 2-way radios. This functionality is just another way **Evolve** is purpose-built and designed as more than just a smartphone or tablet.

*Based on 802.11a standard for 5.0 GHz Wi-Fi using similar channel bandwidths.

SALES REFERENCE MATERIALS

SOURCE REFERENCES / FOOTNOTES

[1] Evolve Spec Sheet:
https://www.motorolasolutions.com/content/dam/msi/docs/products/two-way-radios/mototrbo/nitro/evolve/evolve_datasheeet.pdf
[2] ESIMs aren't all they are cracked up to be: https://www.theregister.com/2018/08/24/esim_interview/

MARKETING AND SALES COLLATERAL

For the latest information and sales support materials for Evolve please visit the following resources:

- **Evolve Brochure:**
  https://www.motorolasolutions.com/en_us/products/two-way-radios/mototrbo/nitro/evolve.html