



MOTOTRBO
ION

ALWAYS ON

SEE THE NEXT GENERATION OF RADIO IN ACTION FOR **ENERGY GENERATION AND DISTRIBUTION.**

THE ENERGY INDUSTRY IS A COMPLEX AND DANGEROUS WORKING ENVIRONMENT THAT DEMANDS ACCURATE AND TIMELY DECISION-MAKING COUPLED WITH A FOCUS ON SAFETY.

BY BETTER LEVERAGING DATA PRODUCED BY TEAMS, ASSETS, SENSORS AND NETWORKS, ENERGY COMPANIES CAN OPTIMISE OPERATIONS WHILE PROTECTING WORKERS AND THE GENERAL PUBLIC.

With digital technologies powering your energy network, your teams can be more agile through increased access to the information they need. Digitally enabled teams can be in constant communications with each other, reducing delays, creating collaboration, and increasing safety for everyone involved.

MOTOTRBO™ Ion is Motorola's first smart communications device that has been designed for businesses like yours. Ion includes always-on voice and broadband data capabilities, making it ideal for teams to stay connected in energy production and distribution operations. Ion brings together our renowned PTT performance, open app ecosystem on the Android platform, and access to Motorola's unified technology ecosystem featuring video security and analytics solutions, best-in-class network security, and powerful new software and technology services like smart virtual assistants. Your teams can even share images and videos with each other using the built-in camera.

MOTOTRBO Ion is designed for tough and extreme environments so that you can take it with you wherever the job takes you. MOTOTRBO Ion uses ultra-strong materials inside and out for outstanding impact resilience. The radio can even be used with gloved hands meaning your operatives stay protected when using the device. Ion is also built to UL TIA-4950 standards for hazardous environments and tested to IP68, providing dust-tight and waterproof operation. Ion will also last as long as you do, with up to 25 hours of battery life during standard use.

MOTOTRBO Ion can transform the way your facilities and teams work. In the next few pages, you will see areas of your operation where Ion can make the difference, creating closer collaboration, increasing safety, and reducing costs.

SAFE AND CONNECTED ENERGY OPERATIONS

APPS ARE

THE OPEN APP ECOSYSTEM AVAILABLE ON ION SMART RADIOS MEANS YOUR WORKERS CAN USE ROLE-SPECIFIC TOOLS AND TECHNOLOGY TO AUTOMATE MANUAL PROCESSES AND PERFORM BETTER.



LOWER YOUR OPERATIONAL RISK

Respond more quickly to events by automatically sending radio alerts and information in the form of text, pictures, or even video, giving other team members the intelligence they need to take immediate action in hazardous situations.



TRANSFER AND RECEIVE INFORMATION QUICKLY AND EFFICIENTLY

Gather data on the job with note-taking apps, create visual records with the integrated camera, mark your points and areas of interest in a mapping app, feed real-time data to control rooms, and share information instantly with your team and supervisors.



LOCATE AND RECOGNISE YOUR COMPANY'S ASSETS

Enable Ion's Scandit integration for barcode scanning in any environment or lighting conditions. With barcode scanning, your team can identify assets in the field, download up-to-date manuals, and access safety information from knowledge repositories, keeping them productive, informed, and safe.



MAKE USE OF ARTIFICIAL INTELLIGENCE

Leverage the full potential of AI to increase the safety of your workers and premises. Whether you are tracking vehicles around a site or spotting potential intruders at the fence line, AI in the field can speed up response to evolving situations by calling attention to unusual activity.



INCORPORATE APPS FROM THE LARGEST APP STORE

Loaded with Android 10, MOTOTRBO Ion can run apps from the Android app store, or your own corporate apps. This gives your whole team the power to improve processes with the best productivity apps and customised solutions for their role.





SAFE AND CONNECTED ENERGY OPERATIONS



DEPENDABILITY IS **ON**

PROVIDE YOUR MISSION-CRITICAL TEAMS WITH RADIOS THAT WORK AS HARD AS THEY DO. YOU CAN RELY ON MOTOTRBO ION TO BE YOUR DEPENDABLE COMPANION THROUGHOUT THE WORKING DAY, NO MATTER HOW HARSH THE ENVIRONMENT.



BE SAFE IN DANGEROUS ENVIRONMENTS

Trust your Ion radio to operate in hazardous environments with UL TIA-4950 approval on the device and accessories.



TAKE YOUR RUGGED RADIO ANYWHERE

Be confident that your Ion smart radio will keep working as it faces wind, rain, snow and dust. The ultra-rugged, IP68-certified housing with a Gorilla Glass 3 screen can withstand drops of over 1.2m onto concrete as well as water submersion for up to 2 hours.



SHARE INFORMATION ANYTIME WITHOUT TAKING YOUR GLOVES OFF

The radio's touchscreen is immune to false activations from water, snow, dirt, and grease; it even works when you are wearing gloves.



HEAR AND BE HEARD CLEARLY

Thanks to the industry-leading volume, clarity, and noise suppression features, as well as the advanced dual-microphone system, you can communicate clearly no matter what is happening around you. Whether you are outside in the howling wind or next to heavy machinery, your voice will always get through.



PAIR WITH THE RIGHT ACCESSORIES

Protect yourself from damaging and annoying noises with comfortable earpieces and headsets featuring superior audio quality and noise suppression.

SAFE AND CONNECTED ENERGY OPERATIONS

CONNECTIVITY IS **ON**

WHETHER YOU WORK IN ENERGY GENERATION OR DISTRIBUTION, IT IS PARAMOUNT THAT THE RIGHT INFORMATION REACHES THE RIGHT HANDS AT THE RIGHT TIME. ION'S CONNECTIVITY MEANS YOU CAN ACCESS DATA WHEREVER YOU ARE.



REMAIN CONNECTED AT ALL TIMES

Your workers can remain connected through any network thanks to Ion's onboard DMR, WiFi, and LTE connectivity. Ion's intelligent technology can switch between networks to maintain connectivity at the edge of coverage.



LEVERAGE CONVERGENCE TO ITS FULL POTENTIAL

With an always-on connection, Ion can make you more productive with voice and data available whenever you require it. Ion lets you review and reply to your emails, share digital files such as images and documents and engage in PTT communications.



BENEFIT FROM INTEGRATED GPS

Ion has onboard GPS, GLONASS and GALILEO location services which can share location information across any network, locating staff in the field to keep them safe and to keep you informed of their progress.



BETTER CONNECTIVITY WITH BLUETOOTH 5.0

With Bluetooth 5.0 technology built into Ion radios, better speeds and reach are possible in data transfers. Bluetooth 5.0 enables concurrent connections, enabling connectivity to accessories and access points at the same time. Bluetooth 5.0 on Ion allows indoor location tracking, ensuring workers can be located when emergencies happen.





SAFE AND CONNECTED ENERGY OPERATIONS



UPTIME IS **ON**

TEAMS WHO CAN QUICKLY AND EASILY COMMUNICATE WITH EACH OTHER WHEN THE SITUATION IS TIME-CRITICAL ARE MORE LIKELY TO BE SAFE AND EFFICIENT. WITH MOTOTRBO ION, YOUR SMART RADIO IS ALWAYS READY FOR ACTION

LONGER BATTERY LIFE



MOTOTRBO Ion's standard IMPRES™ 2 battery lasts up to 17 hours of normal use, keeping your radio in the field longer. High-capacity Ion batteries can last up to 25 hours in the same situation.

With the capability of working in temperatures as low as -20 °C and as high as 60 °C, they are also able to go wherever you need them. Batteries can be replaced easily, meaning devices can spend more time in the field and less time sitting in chargers.

PLAN MAINTENANCE STRATEGICALLY



Implement Industrial IoT and connect it to your communications system to get early warning notifications on your Ion device. Issues can be quickly noticed, allowing engineers to analyse the root cause, diagnose failures, determine the severity of the case, and take actions to resolve the issue. Working in this way, you will fix issues before they become problems that could significantly affect your operations.



SUPERVISE AND SOLVE YOUR FLEET'S PROBLEMS REMOTELY

With RadioCentral and your mobile device management solution implemented, all data received from the devices will help you diagnose and solve issues with minimal downtime. Our data transmission and device-management service can analyse performance data to help you make better decisions about your devices and network, from managing capacity to scheduling device and system upgrades.



SAFE AND CONNECTED ENERGY OPERATIONS

SECURITY IS

ALONGSIDE STAFF SAFETY, INFORMATION SECURITY IS ANOTHER CRITICAL ASPECT FOR ENERGY GENERATORS AND DISTRIBUTORS. WITH MOTOTRBO ION, YOU CAN REDUCE THE RISK OF DATA THEFT AND ENSURE THAT SENSITIVE INFORMATION REMAINS PROTECTED.

- + Remote kill and stun for lost and stolen radios
- + Data is encrypted at rest and in-transit
- + Works with other Private, Emergency and Public Safety networks via WAVE PTX
- + Multiple layers of security to prevent unauthorised device access and malicious activity
- + Real-time device threat monitoring
- + Trusted Execution Environment for apps and device functionality

MOTOTRBO Ion prevents malware, phishing and other malicious activities with at-rest and in-transit encryption, protection of all connectivity interfaces (LMR, WI-FI, LTE/4G, 3G) and separated user profiles (work / personal).



MOTOTRBO ION KEEPS YOU CONNECTED WITH OUR FIRST BUSINESS-READY SMART RADIO. DISCOVER HOW YOU CAN LEVERAGE THE WEALTH OF DATA THAT YOUR OPERATIONS GENERATE DAILY WHILE KEEPING YOUR INFORMATION SECURE.

DEVICE SECURITY

MOTOTRBO Ion helps prevent hostile code from running on the device and unauthorised users from gaining access to the device. By utilising a Trusted Execution Environment (TEE) to separate critical functions and services from the rest of the device, signed firmware, single- and multi-factor authentication methods, Ion keeps your device free from malicious software and users.

APPLICATION SECURITY

MOTOTRBO Ion enables secure operation by helping to prevent malware, phishing and other malicious activity. Mobile Device Management (MDM), Google Play Protect and application signing keep the software running on your device safe from outside access.

DATA SECURITY

MOTOTRBO Ion safeguards critical data at rest and in transit. It features modern key store technology, profile management, customisable device policies, and the latest security methods for network and accessory connectivity, keeping your on-device and in-transit data private.



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For more information, please visit:

motorolasolutions.com/ion

Motorola Solutions Ltd. Nova South, 160 Victoria Street, London, SW1E 5LB, United Kingdom.

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