



MOTOTRBO  
ION

# ALWAYS N

SEE THE NEW GENERATION OF SMART RADIOS  
IN ACTION FOR **TRANSPORTATION AND LOGISTICS.**

**TRANSPORTATION AND LOGISTICS COMPANIES NEED TO TAKE QUICK AND DECISIVE ACTION IN CRITICAL SITUATIONS TO PREVENT DELAYS AND LOSSES. TO IMPROVE COVERAGE AND COMMUNICATION CAPABILITIES, THESE COMPANIES SHOULD INCREASE THEIR ADOPTION OF DIGITAL TECHNOLOGY.**

Digital technology connects information – produced by sensors, networks, assets, and employees – enabling transport and logistics companies to perform even better. Connected local, national, and international teams can improve control and coordination leading to efficient transport and reducing the delays that lead to missed delivery deadlines.

From pick-up to delivery, your team experiences rough and varied environments that require constant communication. MOTOTRBO™ Ion is designed for usability with its Gorilla Glass 3 screen that works even with gloves on. The device is built with ultra-rugged materials which withstand drops while being entirely dust and water-tight. Ion has the best audio quality in the industry, an integrated camera, and batteries that last up to 25 hours.

MOTOTRBO Ion is our first smart communications device that has been designed for businesses like yours. Ion brings together well-known PTT performance, an open app ecosystem on the Android Platform, and access to Motorola Solutions unified technology ecosystem – from video security and analytics solutions, to best-in-class network security, and powerful new software and technology services like smart virtual assistants. Ion also includes data capabilities for voice transmission and broadband data, making it ideal for transportation and logistics team collaboration.

Ion helps you transform the way you operate and communicate with smart connectivity solutions that can bring every part of your organisation together. With Ion, teams stay connected across networks and devices, business-critical data and workflows are unified and simplified, and the capabilities that your workforce needs to be at their best are always on.



# HYPERCONNECTED AND SECURE TRANSPORTATION AND LOGISTICS OPERATIONS

## APPS ARE ON

**DIGITISATION HELPS IMPROVE THE QUALITY OF SERVICE YOUR ORGANISATION CAN OFFER ITS CUSTOMERS. WITH MOTOTRBO ION, YOU CAN INSTALL, CREATE, AND INTEGRATE MOBILE APPS INTO YOUR OPERATIONS, CONNECTING PEOPLE AND DATA EFFECTIVELY.**



### 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.



### TRANSFER AND RECEIVE INFORMATION QUICKLY AND EFFICIENTLY

Gather data on the scene with note-taking apps, store evidence 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.



### EASILY LOCATE YOUR COMPANY'S ASSETS

Enable Ion's Scandit integration for barcode scanning in any environment or lighting conditions. From tracking parcels through the supply chain, to locating items in a large warehouse, Ion can help your team stay productive and communicating.



### MAKE USE OF ARTIFICIAL INTELLIGENCE

Leverage the full potential of AI to increase the safety of your workers, clients and premises. Whether you are tracking vehicles around site or spotting potential intruders, AI in the field can speed up response to evolving situations.



### 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.





# HYPERCONNECTED AND SECURE TRANSPORTATION AND LOGISTICS 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 TIA4950 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 case with a Gorilla Glass 3 screen can withstand drops over 1.2m onto concrete and water submersion for up to 2 hours.



### USE ANYTIME WITHOUT TAKING YOUR GLOVES OFF

The radio 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 whatever 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.

# HYPERCONNECTED AND SECURE TRANSPORTATION AND LOGISTICS OPERATIONS

## CONNECTIVITY IS ON

WHETHER YOU ARE IN THE FIELD MAKING A COLLECTION OR DOING INVENTORY IN A LARGE WAREHOUSE, IT IS PARAMOUNT TO HAVE THE INFORMATION YOU NEED. 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 CONNECTIVITY 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.





## HYPERCONNECTED AND SECURE TRANSPORTATION AND LOGISTICS OPERATIONS

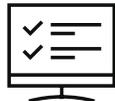
### UPTIME IS

YOU CAN PROVIDE AN EXCEPTIONAL CLIENT EXPERIENCE BY QUICKLY RESPONDING TO REQUESTS WITH GREAT FLEXIBILITY, AGILITY AND END-TO-END ALIGNMENT. THIS IS ONLY POSSIBLE WHEN ALL OF YOUR TEAM IS PART OF THE CONVERSATION.



#### LONG BATTERY LIFE

MOTOTRBO Ion's standard IMPRES™ 2 battery lasts up to 17 hours of normal use, keeping your radio in the field longer. 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 do not need to spend time in chargers and can spend more time in the field.



#### PLAN MAINTENANCE STRATEGICALLY

Implement Industrial IoT 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.



## HYPERCONNECTED AND SECURE TRANSPORTATION AND LOGISTICS OPERATIONS

### SECURITY IS

**STAFF SAFETY, TOGETHER WITH FACILITY AND INFORMATION SECURITY, IS CRITICAL FOR TRANSPORTATION AND LOGISTICS COMPANIES. WITH MOTOTRBO ION, YOU CAN REDUCE RISK, GET SITUATION AWARENESS FOR IMMEDIATE ACTION, AND ENSURE THAT SENSITIVE INFORMATION REMAINS PROTECTED.**

- + Remote activation of radio transmission for emergencies
- + Transmission and reception of event evidence
- + Interoperability with other Private, Emergency and Public Safety networks via WAVE PTX
- + Stream video from site-security drones which enhances the safety of your staff
- + View video in the field for perimeter control
- + Receive data analytics to understand and anticipate situations

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 WITH JUST ONE DEVICE.

### 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.



# MOTOTRBO ION



## TRANSPORTATION AND LOGISTICS OPERATIONS ALWAYS **ION**

For more information, please visit  
[motorolasolutions.com/ion](http://motorolasolutions.com/ion)

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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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