MOTOTRBO
ION

ALWAYS ⊕N

SEE THE NEXT GENERATION OF RADIOS IN ACTION FOR MANUFACTURING.

THE MANUFACTURING INDUSTRY IS RAPIDLY ADOPTING DIGITAL TECHNOLOGIES TO IMPROVE SAFETY AND PROFITABILITY WHILE INCREASING FOCUS ON CLIENTS.

With digital technologies powering manufacturing facilities, teams can be more agile through increased access to information they need. Digitally enabled teams can be in constant communications with each other, reducing delays and increasing output.

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 manufacturing 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 you need to go. MOTOTRBO Ion uses ultra-strong materials — including a rugged touchscreen — inside and out for outstanding impact resilience. The radio can even be used with gloved hands meaning your operatives stay safer 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 manufacturing facility 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 productivity, and reducing costs.

MOTOROLA *SOLUTIONS*

SAFE AND CONNECTED
MANUFACTURING
OPERATIONS

⊞ APPS ARE ⊕N

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

With real-time information collection and analysis, your teams can make better decisions, risks are lowered, and your facility can be made more efficient.

LOWER OPERATIONAL RISK WITH REPORTING APPS

Make real-time reporting of machinery issues a reality. With the built-in camera, you can collect images and videos of problems and share them with team members. Teams can generate machine repair tickets and work orders instantly with apps available in the Android app store.

KEEP MATERIALS AND STOCK ORGANISED

Enable the Scandit barcode scanning feature for managing your materials, products, and assets within your facility for immediate information and traceability exactly when you need it.
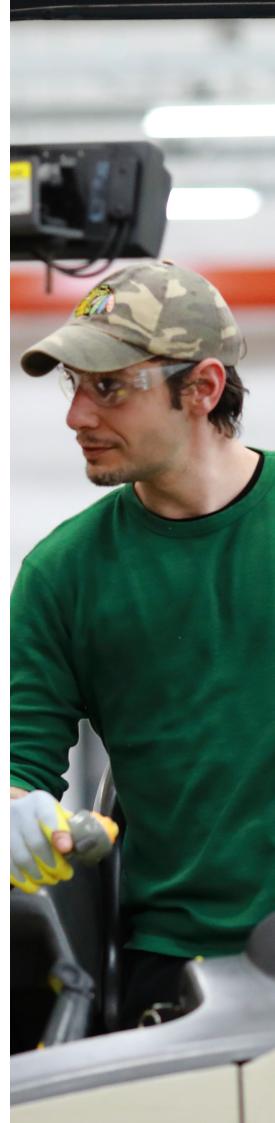
MAKE USE OF ARTIFICIAL INTELLIGENCE

Explore the full potential of artificial intelligence for detecting intruders, protective gear use, suspicious activity, all filtered and shared directly with security and management to their Ion smart radios.

INCORPORATE YOUR OWN APPS

Install Android applications created by your organisation onto your Ion smart radios to achieve operational efficiency and a customised experience for your team.

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💥 DEPENDABILITY IS ⊕N

HAVING THE SAME TOOLS AND INFORMATION AVAILABLE NO MATTER WHERE YOU ARE WORKING IS CRITICAL TO EFFICIENCY, ESPECIALLY IN EXTREME ENVIRONMENTS.

MOTOTRBO Ion uses ultra-strong materials – including a rugged touchscreen – inside and out for outstanding impact resilience. The user interface, design, and engineering all come together to create a device you can depend on to work when you need it, no matter what.

BE SAFE IN DANGEROUS ENVIRONMENTS

With Ion, your team can work safely in hazardous environments and still stay in constant communication. Ion is certified to UL TIA-4950 standard, enabling your team to enter hazardous environments without worrying about specialist equipment requirements.

WORK WITHOUT WORRYING ABOUT EQUIPMENT DAMAGE

MOTOTRBO Ion is designed to be as tough as you need it to be. Built from rugged materials and rated to IP68 and MIL-STD-810, Ion is a reliable and damage-resistant radio you can rely on. Ion can withstand drops of over 1.2m onto concrete, submersion in two metres of water for up to two hours, and water jets from any angle.

STAY SAFE AND CONNECTED

The resilient Gorilla Glass 3 touchscreen allows for working in the harshest conditions. It's immune to false activation from water, snow, dirt, and grease, and it works with or without gloves.

HEAR AND BE HEARD CLEARLY IN NOISY ENVIRONMENTS

Sometimes you really need to get a message through to the rest of your team. Thanks to the industry-leading audio volume, clarity, and noise suppression features provided by the advanced dual microphones, you can transmit and receive messages in noisy and windy environments without issue.

PROTECT YOUR HEARING WITH THE RIGHT EQUIPMENT

Ion comes with a wide range of accessories, including headsets with 24dB noise suppression, allowing workers to remain part of the conversation even in loud environments.

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MANUFACTURING
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CONNECTIVITY IS ⊕N

AS THE WORLD MOVES FASTER, EFFICIENCY HAS TO INCREASE TO KEEP UP. FINDING WAYS TO IMPROVE EFFICIENCY IS TOUGH, BUT ONE METHOD IS TO IMPROVE ACCESS TO YOUR DATA AND COMMUNICATIONS BETWEEN TEAMS.

With Ion, you can seamlessly communicate through voice and data over public and private networks, keeping your teams connected, communicating, and always on.

STAY CONNECTED ACROSS ANY NETWORK

Wi-Fi, DMR, and 4G LTE networks are all available on MOTOTRO Ion radios, ensuring that voice messages can always reach those who need them. Better connected employees can inform others of issues anywhere on the site and even across sites with the right infrastructure.

BENEFIT FROM INTEGRATED GPS

MOTOTRBO Ion has built-in GPS, GLONASS, and GALILEO locating services that can locate staff in real-time. Apps are available for route planning and tracking, locating groups, and even geofencing areas of interest, giving you a complete picture of where your human resource is located in an instant.

BETTER CONNECTIVITY WITH BLUETOOTH 5.0

Integrated Bluetooth 5.0 offers many advantages over older versions of Bluetooth. Multiple accessories can be connected to the radio at the same time, and indoor positioning can be activated to keep your staff safe and secure.

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MANUFACTURING
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⟳ UPTIME IS ⊕N

IN A DIGITAL FACTORY, DEVICE RELIABILITY AND MINIMISED DOWNTIME IS CRITICAL TO YOUR SMOOTH RUNNING AND PROFITABILITY.

MOTOTRO Ion is designed so that your IT team can spend less time managing devices, and your workforce can spend more time on task.

LONGER BATTERY LIFE

MOTOTRBO Ion's standard IMPRES™ 2 battery lasts up to 17 hours of normal use or 25 hours with the high-capacity battery, 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.

SAFE AND CONNECTED
MANUFACTURING
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🔒 SECURITY IS ⊕N

STAFF SAFETY, TOGETHER WITH FACILITY AND INFORMATION SECURITY, IS CRITICAL FOR MANUFACTURING COMPANIES. WITH MOTOTRBO ION, YOU CAN REDUCE THE RISK OF DATA LOSS AND THEFT, ENSURING THAT SENSITIVE INFORMATION REMAINS PROTECTED.

+ Remote kill and stun for lost and stolen radios

+ Works with other Private, Emergency and Public Safety networks via WAVE PTX

+ Multiple layers of security to prevent unauthorised device access and malicious activity

+ Trusted Execution Environment for apps and device functionality

+ Device user profiles ensure that, even with multiple users, device data stays secure.

+ 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.

DEVICE SECURITY
APPLICATION SECURITY
DATA SECURITY

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For more information, please visit
motorolasolutions.com/ion

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