




**Network.
Agile.
Secure.
Complete.**



MXLINK

AIRBUS





**Get to know the
most complete
network and
take control.**

MXLINK

MISSION-CRITICAL SERVICES REQUIRE EVOLVING COMMUNICATIONS.

Public security and population protection strategies demand maximum efficiency and reliability in the most critical situations. The operational elements demand that their communication be guaranteed, with priority access in situations of high demand and emergencies, with critical operational and intelligence information immediately, permanently and in a totally confidential manner.

An effective response to the challenge must take into account existing capabilities in existing infrastructures and add advanced technology that brings greater benefits and better control, without compromising operational models or safety.

Technological advances, new communications standards and the regulatory framework make mission-critical communication on LTE platforms possible, for the first time in history, with unprecedented access, security, control and speed priorities.

MXLINK

It's secure mobile broadband. It is the first mobile security operator to provide confidential mission-critical voice, data and video communication, with priority access in a redundant national coverage unmatched, with design security, granting total control over users and equipment.

Due to its interoperability capacity, it complements the current services and capabilities of the National Radio Communication Network in Mexico (RNR/ IRIS) and other Tetrapol systems, as well as TETRA, P25, DMR technologies, among others.

It provides secure mobility to information systems through a private cloud that prevents information from going to the Internet for the operation of security and justice institutions. In addition to providing a secure control system for remote application management on smart devices.

MXLINK redefines mission-critical communications by bringing the operational capacity of security institutions to a new level.

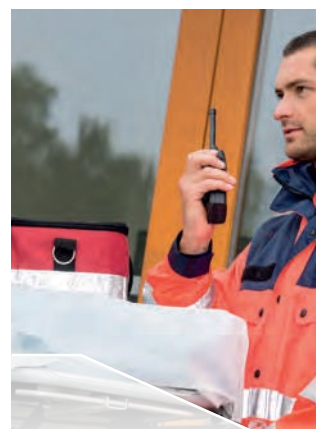
SEGMENTS



**Public
Security**



**Critical
Operations**



Emergencies



**Critical
Transport
Infrastructure**

MXLINK: A COMPREHENSIVE SOLUTION THAT PROVIDES A TOTALLY SECURE COMMUNICATION ENVIRONMENT



MXLINK allows you to create a private network of secure mobile communications in broadband technology, with priority access, multi-operator national coverage and design-guaranteed security.

The MXLINK ecosystem provides tools for:

ADMINISTRATION

Tactical, operational with autonomous control of communications and devices via secure web-based consoles

CLEARANCE

With dispatch stations that allow a comprehensive operational management that links and optimizes the operation of mobile users.

FIELD USERS

More efficient communications with Tactilon Agnet as a mission-critical collaboration tool that delivers end-to-end secure voice, messaging, video and geolocation communications capabilities

TABLETS

Mobility with secure information transmission through the use of official applications in secure transmission channels

RECORD

Designed as an extension of the MXLINK platform, it records all administrator actions and communications from Tactilon Agnet mobile users.

INTEROPERABILITY

With external professional, analogue and/or digital radio systems such as Tetrapol (National Radio Communication Network technology), Tetra, P25 and DMR (Digital Mobile Radio), making possible the communication between radios of different technologies with smartphones on broadband with the application Tactilon Agnet of MXLINK.

SAFE APPS

With external professional, analogue and/or digital radio systems such as Tetrapol (National Radio Communication Network technology), Tetra, P25 and DMR, making possible the communication between radios of different technologies with smartphones on broadband with the application Tactilon Agnet of MXLINK.

PROFESSIONAL SERVICES

With a comprehensive offer of specialized training services, operational consulting and integration of applications and systems.

Unique Values

NATIONAL MULTI-OPERATOR REDUNDANT COVERAGE

In mission-critical operations a key success factor is service availability, especially in critical scenarios.

The ability to have more than one mobile access network represents better geographic coverage and greater availability of service. With more than one broadband network, wider coverage can be achieved, and if one mobile network is not available, another can still provide connectivity, which improves the high availability of mobile broadband services.

MXLINK guarantees maximum availability in Mexico by having the support of more than one operator, adding the capacities of the Shared Network and Telcel at the national level: the fastest network and the largest network in the country respectively.

With 4G and 4.5G LTE technologies, high-definition video streaming services, faster data transmission and low latency are available.

➤ Through a total coverage network, **MXLINK** covers more than 200,000 populations and 100,000 km of roads, serving 92.2% of the country's population.

Check our coverage updates on mxlink.com/coverage



telcel

RED
COMPARTIDA

AIRBUS

GUARANTEED PRIORITY ACCESS

Unique in Mexico to offer communication with priority access to ensure communication even in the most difficult scenarios, English QPP, Quality service, Priority, Preemption.

MXLINK ensures mission-critical communication access (MCPTT, Mission Critical Push to talk) across Shared Network coverage by:

QUALITY SERVICE. **MXLINK** traffic is labeled by the type of service allowing for the establishment of quality-of-service channels for mission-critical communications.

PRIORITY. In the competition of users for access to communication resources, **MXLINK** users have priority of access over users who are not of public security.

PREFERENTIAL RIGHT. In case of saturation, a MCPTT communication displaces existing communications. In this way, public security elements or first responders are guaranteed access even in situations of saturation or emergency.

MCPTT

MXLINK

QUALITY SERVICE

PRIORITY

PREFERENTIAL RIGHT

QPP

Quality service, Priority, Preemption

CONTROL AND INTEGRAL MANAGEMENT

MXLINK transfers user control and management capabilities and services to the user institution. It has tools that give control of subscribers and equipment to the user entity for user administration, profiles, communication groups; and most importantly, it allows you to do it in the same way as in dedicated networks, assigning them to the organizational structures and hierarchies of public security authorities.

-Mobile device management and configuration

-Provides the ability to place a device in "supervised mode" or lock the device in a desired configuration.

-Deletion and remote locking of devices in case of loss or theft

-Policy control for enterprise and commercial applications (whitelist / blacklist)

-Installation monitoring and application execution

-Installation, configuration, upgrades and removal of airborne applications

-Software delivery- through a certified app store or catalog

-Troubleshooting applications and even reinstalling damaged applications

-An administration panel that secures user access and permissions

-Changes that are executed immediately

MXLINK also offers the ability to store information and record all types of communication or content in chronological order per user. The registration is done by organization, and the data of each organization is directed to a server with access to a single main auditor of the organization.

With access based on web services and with profiles designed for easy entry from a safe environment and controlled workstations, with the possibility of keeping track of all changes, which provides a usable basis for auditing, the administration and maintenance of information security.



SECURITY

MXLINK provides security by design, with mission-critical and institutional applications integrated to the operator through a secure data channel, so that they ensure:

The confidentiality, integrity and availability of the data is protected within the Tactilon Agnet application and its multimedia functions, as the information is not transmitted over the Internet.

Authentication, signalling encryption and media encryption mechanisms are included as security compliance for mission-critical services. The messages are encrypted by the application server using the 256-bit AES encryption format with TLS protocol.

The use of more than one mobile network creates a multilayer security system (backdoor countermeasure).

FULL SUPPORT AND WARRANTY

MXLINK support and warranty is distinguished by covering all the elements that make up the service platform. This includes mobile networks, telephony services, data and mission critical, SIM card, applications and devices with the best service level agreement (SLA, Service level Agreement) through a single point of contact.

The organizations benefit from:

- Help desk available 24 hours a day, 365 days a year for incident reporting
- End-to-end support for broadband services provided, with a committed service level agreement
- Turnaround and warranty services with compromised response times for devices supplied by Airbus

INTEROPERABILITY

MXLINK provides interoperability with the National Radio Communication Network and other radio systems, enabling the possibility of Tetrapol radios and smartphones living together in the same communication group.

The interoperability of communication with Tetrapol or Tetra networks allows the broadband user to participate in mission critical communications with the use of a telephone and vice versa.

Communication is encrypted so that public security organisations do not compromise the control and security of their Tetrapol or Tetra networks.

This takes advantage of the infrastructure currently in operation and is complemented by the coverage, capacity and speed offered by mobile operators. **MXLINK** offers a gateway for connecting external analog and/or digital radio systems such as Tetra, P25 and DMR (Digital Mobile Radio) and equipment for group communication to the mission-critical broadband communication application.

SERVICES MODELS

MXLINK offers a flexible and scalable service model considering the current and future needs of any organization. It does not require large investments or maintenance costs, nor does it require the acquisition of any complex network infrastructure. With **MXLINK** you can have an immediate implementation with total operational autonomy, independence in management and administration of the service with high level of availability and security.

Mission critical communication services - Tactilon® Agnet

Tactilon® Agnet is a mobile collaboration platform for mission-critical users that gives users the possibility of permanent, real-time contact with the reliability and security they require.

Tactilon® Agnet is integrated into **MXLINK** through a secure data channel, ensuring high levels of security, confidentiality, availability and integrity. The data is protected within the application and its multimedia functions.

Tactilon® Agnet provides voice, instant messaging, video communication, geolocation, emergency calls and field command functions in an integrated solution.

Tactilon® Agnet has different user interfaces which can be selected according to operational requirements. These user interfaces consider the operating profile, the type of mobile equipment to be used and the graphical interface to be selected.

MOBILE USERS

For mobile users on smartphones and tablets Tactilon® Agnet securely provides end-to-end encryption with the following features:

- Group and individual communication PTT (Push to Talk)
- Private voice call
- Group and individual messaging (multimedia)
- Priority and emergency calls
- Videocalls
- Real-time video transmission
- Real-time location tracking with geolocation and operational status, radio and battery level reports

DISPATCHING POSITION

Tactilon® Agnet offers dispatchers a simple tool for operational liaison with mobile users. The Tactilon® Agnet dispatch interface runs on a computer with secure web access services through a secure channel, providing all the features of Tactilon® Agnet, such as voice, messaging and video communication, as well as an integrated map view that allows the location and status of mobile users to be displayed.

In addition to the mobile user functionalities are added:

- Creación de puntos de interés y su distribución
- Simultaneous group management, call and video capability
- Management and call capability from integrated map view
- Preferential rights on group video calls and/or broadcasts
- Periodic or manual user location reports

RECORDING

Tactilon® Agnet offers the ability to store the information and record any type of communication or content that it transmits in the network, in chronological order and by each of the users. The registration is done by organization, and the data of each organization is directed to a server with access for a "Principal Auditor" who centralizes the privileges to access and download data and information from the recording system.

Tactilon® Agnet's recording management console features secure web service-based access via a secure channel and profiles designed for easy entry from secure media and controlled workstations, MXLINK gives the possibility to have a follow-up of all activities, in this way it allows to have always a reliable and usable abse for audits, with a totally secure administration and maintenance of the information.

ADMINISTRATION

Tactilon® Agnet has tools that give control of users, profiles, membership and creation of communication groups, and most importantly, allows you to do it in the same way as in dedicated networks, assigning them to organisational structures and hierarchies of public security authorities.

-Manage users. The administrator can add, edit and delete users on the system, one by one or through a massive upload process.

-Manage groups. Ability to create and remove groups to represent the dynamic operating structure of the organization.

-Organization parameters. The administrator can define parameters for users, groups and update the parameters at the organization level.



Secure software solutions - 3S

It is a set of software solutions and applications, which allow the comprehensive operational management of any public security institution and/or the administration of justice.

Secure Software solutions permite que exista una vinculación de todas las unidades que atienden operativamente la seguridad pública y la procuración de justicia compartiendo la información de forma transversal.

It simplifies, systematizes and optimizes the police administration based on applicable regulations, with an operational approach based on predefined institutional strategies.

SECURE SOFTWARE SOLUTIONS COMPLIES WITH

SESNSP Regulations and National Priority Programmes.

The agreements of the National Council of Public Security: National Model of Police and Civic Justice, Single Police Certificate or CUP, 9-1-1-.

Deployment, control and measurement of police performance

- | | |
|---|---|
|  HAP High Availability Platform |  SAID Crime Incidence Analysis System |
|  IB Integration Bus |  SAID Mobile |
|  SRNP Police Regulatory Registration System |  INCIDENCE Incidence of crime in official figures |
|  POLICE KARDEX |  SPEAO Strategic planning system for operational activities |
|  PAS Police Academy Solution |  SPEAO Mobile |
|  IPH Digital Approved Police Report |  Electronic fatigue |
|  IPH Mobile |  Mobile Electronic fatigue |
|  SSAP System for Monitoring Police Actions |  GEO-CHECK mobile police |
| |  Criminal law |

Professional services

MXLINK provides security organisations with Airbus' extensive expertise in the field, with consultancy, engineering, training and support services, focused on integration with current systems, the mobilization of security and justice information systems and the establishment of secure data channels for mobile applications.

In this way, institutions that require critical communications enhance **MXLINK**'s capabilities by fully integrating them into their operational processes and technological ecosystems. With the ability to perform integrations within a secure channel for institutional applications, virtual private networks or high availability "partner networks" are ensured.

TRAINING- AIRBUS ACADEMY

Among the main professional services provided by **MXLINK** are the training sessions, which will be aimed at allowing the optimal management of technology and services contracted at the technical level focused on the administrators of the platform, for the support mechanism as well as for the end-user

INTEGRATION SERVICES FOR THIRD-PARTY APPLICATIONS ON A SAFE CHANNEL

MXLINK allows the integration of official and/or institutional applications that are part of the operational strategy within the organizations, providing a comprehensive scheme of secure information transmission, information protection, personal data and application servers that provide always high availability. These are access services via a dedicated link from the organisation's premises so that the information is not exposed to internet access.

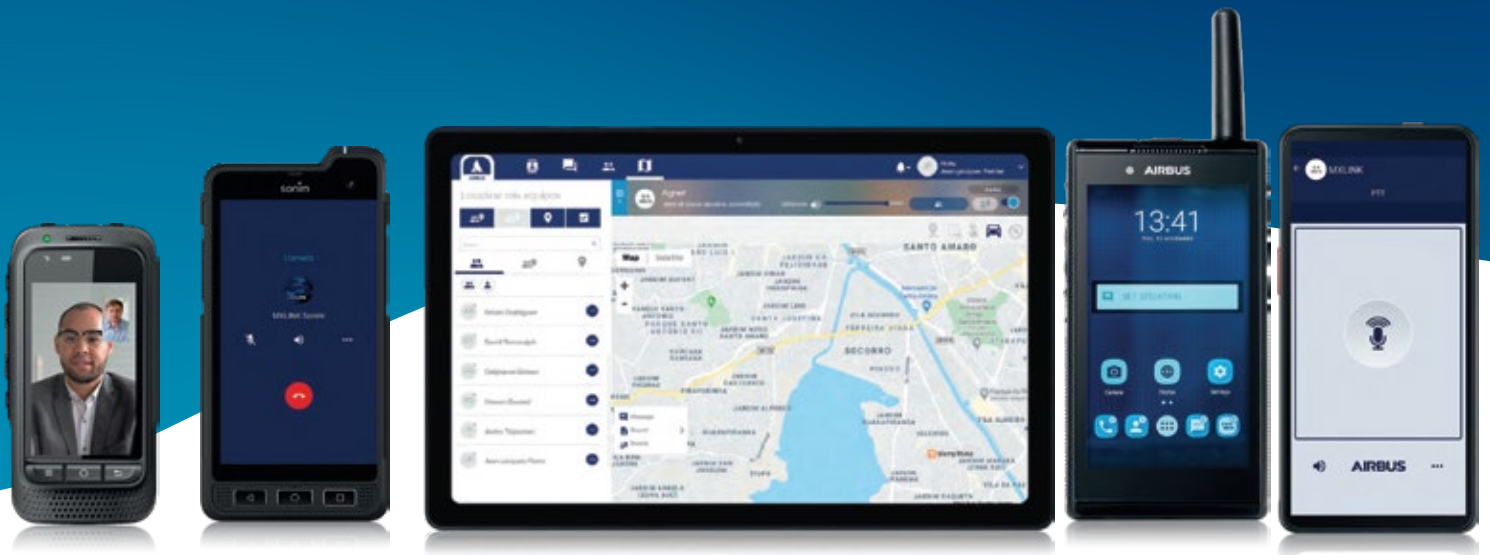


Certified Devices

CONTROL AND INTEGRAL MANAGEMENT

MXLINK carries out a thorough approval process. The equipment catalogue ensures compatibility with the functionalities of Tactilon Aget, as well as the device management tool (EMM, Enterprise Mobility Management), which are the pillars of our value-added offer.

Having a certified device ensures proven compliance with mobile networks, regulatory institutions and authorities, international certifications, and equipment life cycle support including end-to-end support and warranty.



TELO
580+

SONIM
XP8

SAMSUNG
TAB A7

AIRBUS
DABAT

SAMSUNG
XCOVER
PRO

SAMSUNG GALAXY XCOVER PRO

- Robust, reliable and durable smartphone
- For field operations with high-level performance and functionality
- Dedicated Push-To-Talk Button
- Large touch screen
- Background noise cancellation that allows high and clear audio
- Long battery life
- IP68 / MIL-STD 810G certificate



Connectivity

4G/ LTE, WiFi2, 4/5GHz, GPS, BT5.0

Operating System

Android 10

Memory

4Gb RAM / 64Gb ROM

Screen

6.3" FHD + 2340X1080

Camera

25/8 MP rear with flash / 13 MP front

Battery

4050 mAh Li-Ion, removable

AIRBUS DABAT



-The world's first **TETRA** smartphone and radio in a single device

-Tactilon Debates a **smart, strong and safe** device for you that requires high security in communication

-**IP65** and **IP67** certificate

-**MIL STD 810G**

-Designed for **Public Safety**

-Ideal for organizations using **380-430 MHz TETRA networks**

Connectivity

4G/ LTE, WiFi2, 4/5GHz, GPS, BT4.2

Operating System

Android Marshmallow

Memory

3Gb RAM / 64Gb ROM

Screen

5.0" 720 x 1280HD Gorilla glass 3

Camera

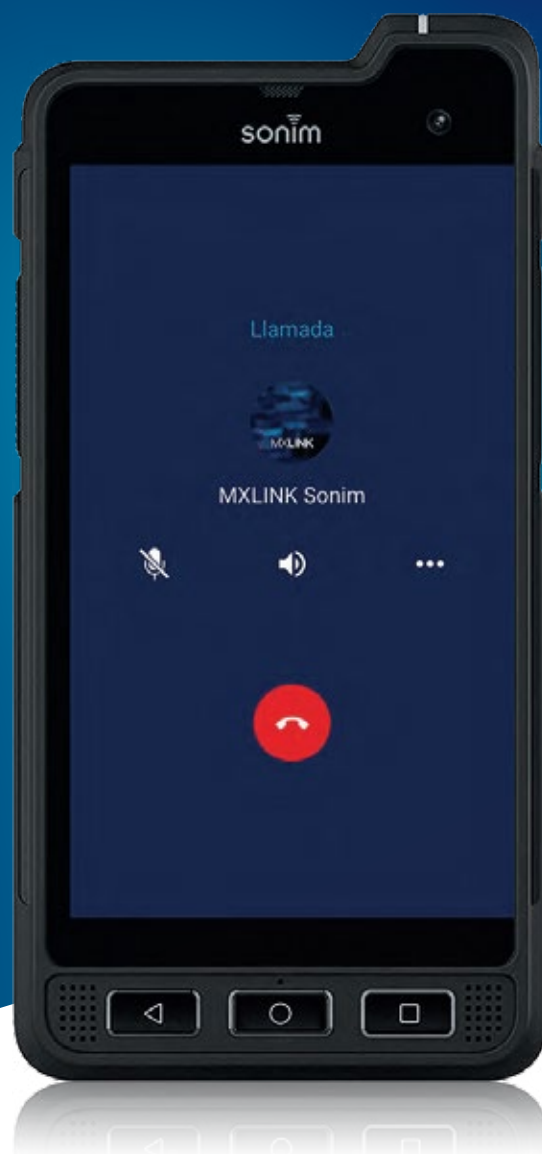
16 MP rear with flash / 5 MP front

Battery

4600 mAh Li-Ion, removable

SONIM XP8

- Ultra robust smartphone
- For field operations in extreme environments
- Dedicated **Push-To-Talk** and **Emergency** Buttons
- Large **touch screen**
- Background noise cancellation that allows **high and clear audio**
- Long battery life**
- IP68** certificate
- MIL-STD 810G** certificate



Connectivity

4G/ LTE, WiFi2, 4/5GHz, GPS, BT5.0

Operating System

Android Nougat

Memory

4Gb RAM / 64Gb ROM

Screen

5.0" Gorilla glass 3/FHD 1080x1920

Camera

12 PDAF rear with flash / 8 MP front

Battery

4900 mAh Li-Ion, removable

TELO TE580+



-Robust smartphone that integrates **voice, data and video** services

-Connectivity to GSM/3G/4G/LTE networks to ensure **optimal coverage**

-Dedicated **Push-To-Talk and Emergency Buttons**

-**Touch screen**

-Ideal for **public safety, utilities, transport and private organizations**, where users can collaborate quickly!

-**IP67 certificate**

Connectivity

4G/ LTE, WiFi2, 4/5GHz, GPS, BT4.0

Operating System

Android Lollipop

Memory

1Gb RAM / 8Gb ROM

Screen

3.1" capacitive touchscreen

Camera

8 MP main with autofocus and flashLED / 2MP for front camera applications

Battery

3600mAh Li-Ion, removable

TELO M5

-TeloM5 Mobile Smartphone that integrates **data and video** services

-Connectivity to **GSM/ 3G /4G /LTE** networks to ensure optimal coverage

-Dedicated **Push-To-Talk and Emergency** Buttons

-4 inch **touch screen**

-**Ideal for mounting on public safety vehicles, transport and private organizations**, where users can quickly collaborate

-Handheld microphone for **loud and clear audio**



Connectivity

4G/ LTE, WiFi2.4GHz, GPS, BT4.0

Operating System

Android Nougat

Memory

1Gb RAM / 8Gb ROM

Screen

4.1" touch PS

Camera

Principal 2MP

Miccro SIM

Loudspeaker

2 watts power horn

Measures

211.2 x 74.3 x 78.5 mm

Weight

530g

Does not include Google services

SAMSUNG TAB A7

-Next generation tablet

-High-level performance and functionality

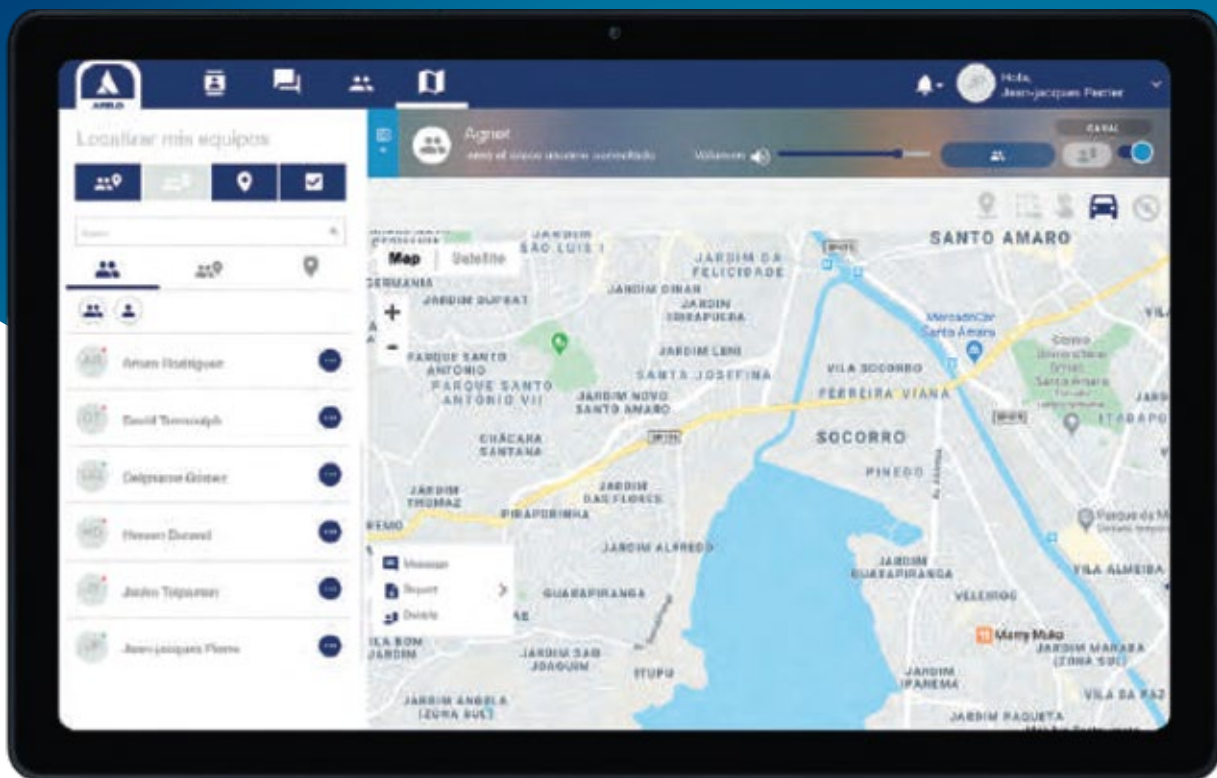
-3GB RAM memory

-1.8GHz / 32GB Storage Octa Core Processor

-Wide 10.4 inch touch screen

-Long battery life

-Designed for mobile monitoring, monitoring and management operations



Connectivity

4G/ LTE, WIFI 2.4/5GHz, GPS, BT5.0

Operating System

Android Q (10)

Memory

3Gb RAM / 32Gb ROM

Screen

10.4 TFT

Camera

8 MP main with autofocus /
5 MP front

Battery

7040mAh

Sensors

Accelerometer, gyro sensor,
geomagnetic sensor, light sensor

QUAMTUM ACCESS Q3

-Easy configuration and installation of wireless **LTE router**

-4 powerful antennas to improve coverage and **performance in simultaneous connection situations**

-Supports up to **32 co-connected devices**

-**Download speed up to 150Mbps** and upload speed up to **50Mbps** thanks to its **VoLTE-ready 4G LTE connection**



Connectivity

4G/LTE, 2.4GHz Wifi IEEE 802.11 /b/g/n

Configuration

MIMO (2X2)

Reach

150 m exterior
100 m interior

Security

WPA2/PSK
WPA-PSK/WPA2-PSK

Interfaces

2xRJ45, 1xRJ11

Energy

Entry: 100-240Vca, 50/60Hz
Exit: 12Vcd, 1.0Amp



Strengthen your operation through the most secure network MXLINK

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