



10.1" EX-CERTIFIED ARM-BASED WINDOWS TABLET

i.safe MOBILE presents the IS945.x, an Ex-certified tablet powered by Microsoft Windows 11 IoT Enterprise LTSC for ARM64. This leaflet outlines the purpose of the platform and showcases the benefits offered to users in hazardous environments.

WHY WINDOWS ON A MOBILE DEVICE?

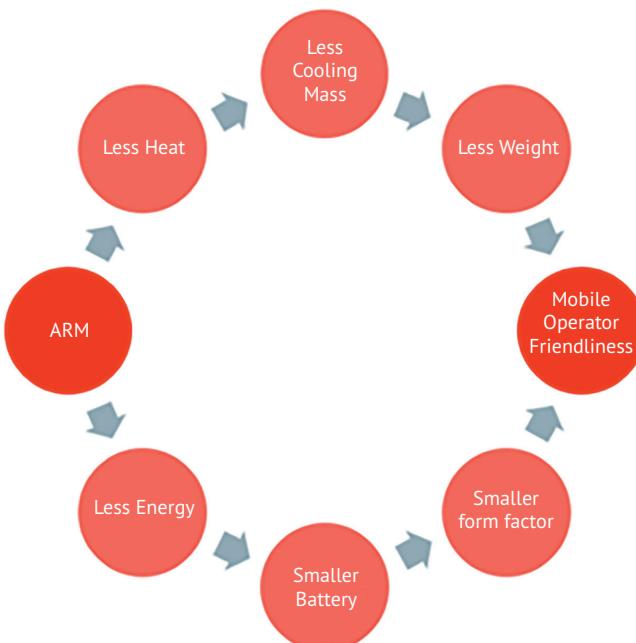
Choosing Windows over Android™ means bridging mobility with desktop-grade performance and enterprise integration:

- › Familiar environment for operators and IT, accelerating deployment.
- › Robust desktop-class features like BitLocker, Hyper-V, and Remote Desktop.
- › Maximum application compatibility across business, industrial, and safety-critical software.
- › Seamless integration into existing Windows-based IT and security infrastructures.

WHY ARM-BASED QUALCOMM® TECHNOLOGY?

The i.safe MOBILE tablet leverages an advanced Qualcomm ARM platform, optimized for rugged, intrinsically safe use cases:

- › **Power efficiency:** Fanless operation with long battery runtimes for shift-based field work.
- › **High integration:** Modem, GPU, and AI engines in one System-on-a-Chip for reliable edge performance.
- › **True mobility:** Lightweight, slim, heat-efficient design compliant with Ex-certification standards.
- › **Rugged reliability:** Proven in harsh environments, from oil & gas to chemical plants.
- › **Future-ready:** Enables local AI inference and secure 5G/4G connectivity directly on-device.



MICROSOFT WINDOWS 11 IOT ENTERPRISE LTSC (ARM64) VS. WINDOWS 11 PRO (X64)

The OS platform shapes user experience and compatibility. Key advantages of ARM64 with Windows 11 IoT Enterprise LTSC are as follows:

KEY POINTS FOR ARM64 WITH WINDOWS 11 IOT ENTERPRISE:

| Windows 11 IoT Enterprise | |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| x86x64 | ARM64 |
| | <ul style="list-style-type: none">Delivers IoT Enterprise features optimised for ARM64 power efficiency and fanless operationARM64 apps run natively; x86/x64 apps with emulationRestricts drivers to ARM64 versions, limiting hardware compatibilityIdeal for energy-efficient, rugged and mobile devices in industrial and retail settings |
| | <ul style="list-style-type: none">Designed for business users needing robust desktop features (BitLocker, Hyper-V, Remote Desktop)Maximum application and hardware compatibilityCommon in desktops and laptops for high performance and reliabilitySupports full spectrum of Windows applications without emulation |

Windows 11 Pro

- Outstanding energy efficiency, ruggedness, and extended battery life.
- Native ARM64 apps for optimized performance and power use.
- Ideal for portability, low heat, and uptime priorities, while optimised enterprise OT/IT integration and Windows security.

MICROSOFTS LONG TERM SERVICING CHANNEL (LTSC)

Windows 11 IoT Enterprise LTSC 2024 (24H2) offers a 10-year support lifecycle to October 2034, with security and quality updates for mission-critical stability. The LTSC model skips disruptive feature changes, ensuring consistency for embedded devices like the IS945.x in hazardous zones. Enterprises gain predictable maintenance, minimizing downtime and supporting security.

CONCLUSION

Selecting an ARM64 tablet with Windows 11 IoT Enterprise LTSC ensures compact, efficient industrial mobility without compromising manageability or reliability. This platform meets the IT/OT convergence, empowering secure field operations.

