BLACK BOX®

OnGo: The Next Generation Technology for Industry 4.0

Transforming to Industry 4.0, your wireless networks will be stressed more than ever before, current solutions might be challenged and PLTE/5G is the answer

The need for seamless, high-quality internet connection is the key value driver

Need for seamless connection
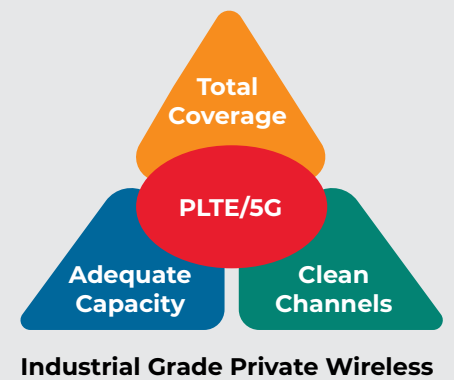
Connected on the go

Constant access to required data, documentation, visual and audio support tools to perform work

Seamless Connection

Instant and constant connection without the need to turn on tethering or go through Wi-Fi authorization

Why PLTE/5G is the answer

Total Coverage

PLTE/5G

Adequate Capacity

Clean Channels

Industrial Grade Private Wireless

Need for high-quality connection

Extra bandwidth and speed when needed

Ability to access **large volumes** of critical information **in real-time when WI-FI is unavailable**, such as during emergency situations or where WI-FI is not reliable

Security

Enables more **robust security features** (eg, threat hunting) and **decreases risks from public Wi-Fi** (eg, packet sniffing)

Compute power in smaller form factor

Unlocks use-cases where **large volumes of operations can be performed on-site**, such as computer-aided design (CAD) visualizations, genomics computations, and AI-based security features (eg, constant identification)

Plain Talk About OnGo, CBRS, and Private LTE™

OnGo™ sits at the leading edge of wireless connectivity. The notable aspect of OnGo is the way the technology merges the reliability and quality of LTE signal with the low expense and ease-of-use associated with Wi-Fi. Coupled with its superior capacity for security and mobility, OnGo eclipses Wi-Fi in every meaningful way... particularly with regards to ease-of-use, security, and a significantly lowered operating cost.

Wi-Fi Concerns

Where should we begin? Wi-Fi is fine for environments where network demand isn't great. Once introduced into high-demand environments, however, the problems with Wi-Fi quickly become apparent: untenable latency (beginning at 100ms and then increasing with user count), clumsy mobility (handoffs between IDFs suffer at any speed faster than a slow walk), security concerns and network vulnerability (easily exploitable when private devices intermingle with critical equipment inside the network), and a ridiculous amount of gear and wiring needed for Wi-Fi to function.

OnGo Doesn't Suffer from the Inherent Flaws of Wi-Fi

Compared to Wi-Fi, OnGo provides superior coverage with lower latency and improved mobility. In addition to that, OnGo provides greater operational security and significantly higher Quality of Service. OnGo allows system administrators to move critical network elements such as data storage and collaborative applications from Wi-Fi while maintaining – and improving – communications between devices, processes, monitoring and collaboration capabilities.

Perhaps most importantly, OnGo provides state-of-the-art security by implementing private LTE via a dedicated, secure, and leading-edge high-quality network. Sensitive data stays in-house by way of SIM-based authentication. Hand-offs between APs are fully secure and quick.

As a bonus, the necessity for wiring and network gear shrinks by as much as a 1:4 ratio. Fewer APs means less wiring and infrastructure... which means cost-effective installation, less complexity, and vastly diminished redundancy costs.

OnGo – The ease-of-use of Wi-Fi. None of Wi-Fi's flaws.
Superior to Wi-Fi in every way.

ABOUT BLACK BOX

Black Box® is a trusted IT solutions provider delivering cutting-edge technology products and world-class consulting services to businesses across the globe in every industry. The breadth of our global reach and depth of our expertise accelerate customer success by bringing people, ideas, and technology together to solve real-world business problems.