

What Makes OnGo Private Cellular Networks Secure

The security of OnGo CBRS spectrum cellular networks is based on 4G/5G wireless standards and provides a holistic security framework to connect devices from trusted and untrusted networks.



Policy Enforcement

- Interoperates with enterprise firewalls to comply with company traffic policies. Provides additional capabilities to enforce security policies at the device, application, and user level.



Data Management

- Leverages strong security protocols between equipment, applications, and systems.
- Provides mechanisms for data confidentiality, integrity, availability, and non-repudiation.



Threat Mitigation

- OnGo networks securely interact with external network systems such as SAS/ESC for spectrum access. Both SAS and ESC follow strong government regulated security measures to prevent cyberattacks.
- OnGo network components mutually authenticate each other to prevent data breaches and being taken over by threat actors.
- OnGo private networks can monitor traffic abnormalities to detect, prevent, and block undesirable activities.

Device Authentication and Authorization



- Devices are authenticated and authorized according to usage profiles with SIM/eSIM device identifiers vs. username/password

Traffic Encryption



- All user/application traffic from devices to the application cloud network is encrypted using strong protocols.

Data Privacy



- End to end data between user equipment and the network is protected with strong security mechanisms.
- User and network metadata, such as identity (including IMSI & IMEI), IP address, location, paging, tracking, and cell information, is kept secure by design.

Network Management



- OnGo private networks are managed by the network orchestration and management systems that follow FCAPS standards for role-based user access policies.

About OnGo Alliance™

The OnGo Alliance™ is a coalition of 150+ member companies, including mobile operators, cable operators, managed service providers (MSPs), mobile virtual network operators, enterprises, and more. The mission of the OnGo Alliance is to evangelize 4G and 5G OnGo technology, use cases, and business opportunities while simultaneously driving technology developments necessary to fulfill the mission, including multi-operator capabilities.



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