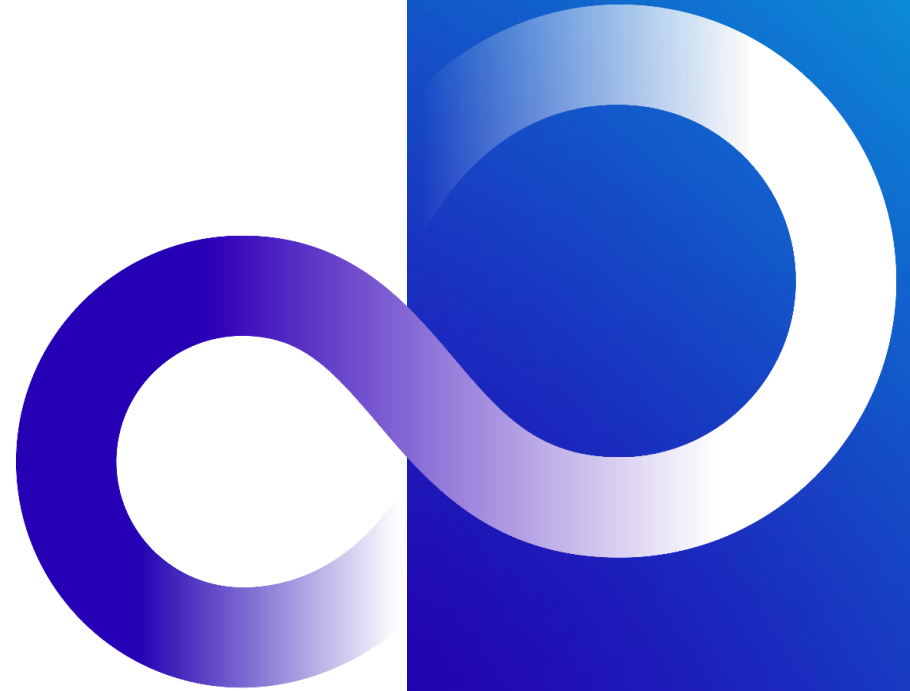


Fujitsu Industrial Private Wireless Solutions: *Drone-Enabled Security Solutions*



● Offer Description

Built on Azure private MEC, Fujitsu leverages the CBRS “innovation” band to bring secure, reliable, and high-performance private wireless connectivity to enhance security at enterprise campuses.

We will provide a package built on Azure private MEC with Azure Private 5G Core that includes the networking equipment and security devices needed for an enterprise to monitor large areas from a centralized location.

● Solution Benefits

Fujitsu’s CBRS-enabled security solution offers a number of unique benefits:

- Our high-power radio provides a much larger coverage area than a Wi-Fi access point, allowing connectivity to be extended to more remote areas.
- Our 3GPP-based technology provides proven communications security, performing both encryption and authentication. Each device is configured explicitly to access the network.
- Unlike Wi-Fi, the spectrum used is resilient to interference, which allows reliable link performance.
- Equipment can be solar powered, allowing placement where commercial power is not available.
- A single security guard can quickly and efficiently surveil a large area without leaving their station
- The system allows overlay of video analytics for intrusion detection and other applications.

Private Wireless Use Cases

Security Camera Connectivity with Drone Enhancement

Security Application Example

- Provides security coverage of ~10 acre property
 - Allows a guard to surveil the property without leaving their station
 - Keeps guard available to respond to gate access requests
 - Cameras & CPE can be powered by solar where commercial power is unavailable
- Application requirements:
 - Broad coverage
 - Security
 - Interference protection
 - Seamless mobility (in larger configurations)
- Single 4x5W CBSD placed on roof



▲ CBRS Radio

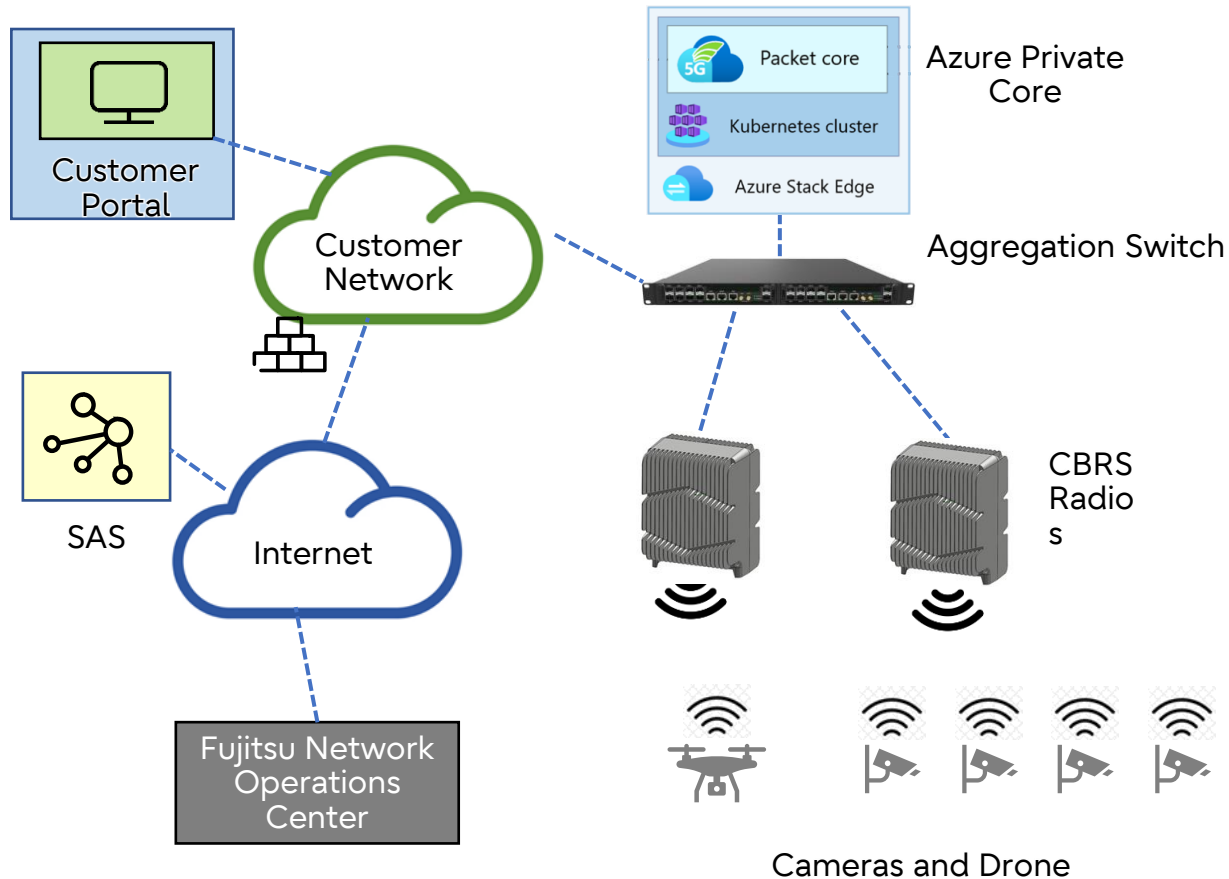
📹 Security Camera

🚁 Security Drone

Example BOM

- CBRS Radio with wall/pole mount hardware
- Omnidirectional Antenna
- GPS Antenna
- Cabling
 - Antenna cable
 - GPS cable
- Drone with CBRS connectivity
 - Drone battery & charger
- High-resolution security camera with CBRS connectivity

FUJITSU PRIVATE WIRELESS HIGH LEVEL SOLUTION ARCHITECTURE



FUJITSU END-TO-END PRIVATE WIRELESS SOLUTION

- **All Hardware and Software**
 - Private LTE & 5G NR Radios & Antennas
 - Azure Stack Edge device with packet core
 - Switching/Routing Devices
 - Spectrum Access System (SAS) service
 - Security Devices (Cameras and Drone)
 - Management Connectivity
- **All required services for site set up**
 - Site survey, design, installation & configuration services
- **Operational management**
- **SIM cards for customer-provided devices [optional]**
- **Customer training [optional]**
- **We work with customers to meet requirements**
 - Frequency spectrum acquisition
 - Equipment mounting locations
 - Power and data cabling to radios
 - Accommodating customer-provided devices, if any

Includes Much More Than Just the Boxes

Thank You

