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AGILE CAGE: 7WTH2
AGILE DUNS: 080324701
NAICS CODE: 334220
GSA MAS CONTRACT NUMBER: 47QTCA19D0052

CommsKit z2+

Flexible Communications Platform

The CommsKit z2 is a tactical communications hub built within a military-grade hard case that enables communication in terrain or conditions where a fixed vehicle installation is not feasible. The CommsKit z2 is compact, rugged device that integrates bonded multi-channel cellular LTE, Wi-Fi, GPS, Land Mobile Radio extension capabilities, built in LTE and GPS antennas. Powerful and secured Wi-Fi with a large effective range for secured authorized devices. Wi-Fi mesh is also possible with multiple CORE systems deployed in a given territory. This versatile analog/VoIP gateway enables audio patching between local radio and IP-based resources such as SIP devices, Push-to-Talk over Cellular (PoC) applications, and more.

The Basics

- 4 LTE channels / 4 SIM slots for each CommsKit z2+
- GPS tracking embedded in each CommsKit z2+
- May be deployed singularly or in a peer-to-peer mesh with other AGILE CORE systems
- Large, secure Wi-Fi coverage for body cams, monitoring devices and other wireless systems
- Interconnect points for mobile data units, biometric equipment, and other devices
- CORE Control 1 adds remote management for multiple CORE based systems
- CORE Control 2 adds virtual SIM management, centralizing SIM cards while allocating the correct SIM cards per location of each CORE system

Unique features provide superior radio system connectivity for a vastly superior trunked radio interface, to smooth integration with all types of half-duplex devices. On the IP side, a growing list of connectivity to different types of audio streaming services ensure the complex challenges of patching these systems to radios and is handled with ease. Highly capable on its own, the CommsKit z2+ integrates seamlessly to create an expandable, robust wide area interoperability system, providing on-demand audio routing and connectivity. Every CommsKit z2+ has sophisticated software that manages cell tower hands-off as you travel, maximizing signal strength and automatically searching for the best throughput connection available. Use of bonded LTE aggregation allows CommsKit z2+ users the ability to maintain session persistence even if one or more of the cell connections fail for any reason. The LMR functions in the background to detect any loss of service to the trunked radio network and will send the transmission over the LTE connection. This requires no action by the operator.

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CommsKit z2+

Product Specification Data Sheet

Billet milled aluminum case for mobile, portable and office applications

Product Specification Data Sheet

- Supports: Dual 4-wire / radio interfaces, enhanced SIP & RTP, RoIP, integrated PoC and JPS MCC Consoles.
- Serverless solution allows for secure off-grid operations, where users access the system directly, using browser-based management, configuration, and control.
- Accomplished as a standalone, the RSP-Z2 can also be integrated into large distributed wide-area systems using JPS Controllers that can simultaneously support hundreds of communications resources.
- Adaptive Transmit Delay, Voice Modulation Recognition, and large audio dynamic range helps preserves the integrity of LMR voice communications locally, and over complex RoIP network links.
- RoIP voice communication links established through the CommsKit Z2 Plus are resilient and will self-heal over repeated power cycles. Perfect for ad- hoc tactical situations. RoIP links can optionally employ AES-256 or HC-128 encryption.

Our devices automatically search for the best throughput connection available. If LTE connections are lost, Mobile CORE will automatically connect to the satellite. If the device finds an available cellular connection it will reconnect to that service, hands-free. The customer does not have to monitor AGILE Routing.

Number of Cellular Radios	4
SIM Capacity	4
eSIM capable	Yes
Number of Cellular Antennas	4
GPS	Yes
Active or Passive GPS	Active
Number of GPS Antenna	1
Wi-Fi	Yes
Aggregate Bonding	Yes
Number of Internal Wi-Fi Antennas	4
Number of External Wi-Fi Antennas (Optional)	2
Radio Over IP Capable	Yes
Active LTE Radios	4
Number of Ethernet Ports (LAN/WAN)	2
Number of Simultaneous Users	512
Power, Battery	10V, 42Ah
Length	311.15mm
Width	439mm
Depth	88.9
Weight	12lbs
Colors	Dark Grey