

COMMSKIT Z2+

FLEXIBLE COMMUNICATIONS PLATFORM

partner products

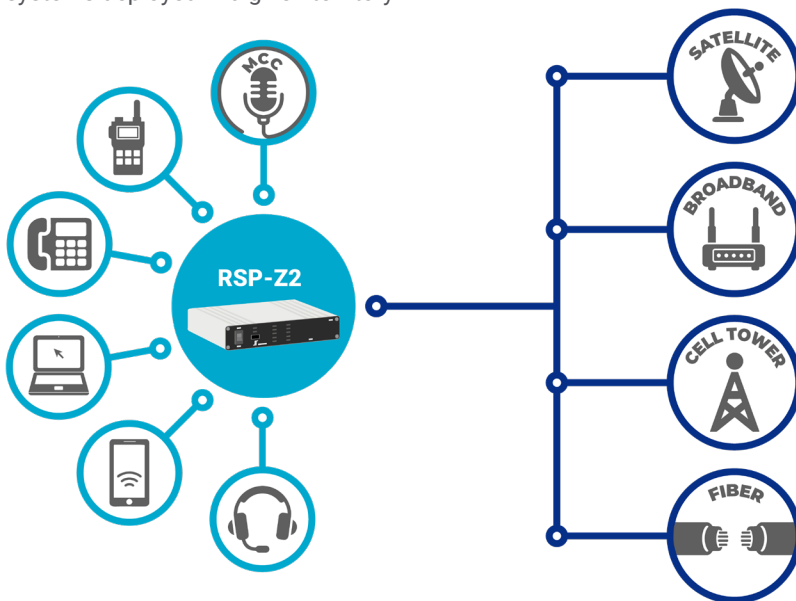
OVERVIEW

The AGILE CommsKit Z2+ is a tactical communications hub built in a military-grade hard case that enables communication in terrain or conditions where a fixed vehicle installation is not feasible.

Tightly integrated within the rugged CommsKit Z2+, the JPS RSP-Z2 provides gateway capabilities far beyond standalone patching of land mobile radio (LMR) talkgroups. Purposefully agnostic, the RSP-Z2 gateway easily integrates an expanding complement of streaming audio types (e.g., JPS Radio over IP (RoIP), JPS MCC Console, Push-to-Talk over Cellular, SIP, etc.), plus a USB headset in addition to its exceptional LMR handling capabilities. To maximize audio quality and delivery, resource type configurations and RSP-Z2 system settings are specialized and highly configurable.

COMMSKIT Z2+

Compact and rugged, the CommsKit Z2+ integrates bonded multi-channel cellular LTE, Wi-Fi, GPS, and Land Mobile Radio extension capabilities, with built-in LTE and GPS antennas. Powerful and secure Wi-Fi provides a large effective range for secured authorized devices. Wi-Fi mesh is also possible with multiple AGILE CORE systems deployed in a given territory.



The CommsKit Z2+ seamlessly creates an expandable, robust interoperability system that provides on-demand audio routing and connectivity. Sophisticated software manages cell tower hand-off as you travel, maximizing signal strength and automatically searching for the best throughput connection available. 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.



KEY FEATURES

- + Compact, Portable, Rugged
 - 12 lbs (5.44 kg);
12.25 x 17.28 x 3.5 in
(311.15 x 439 x 88.9 mm)
- + CommsKit Z2+ Network Capabilities
 - 4 LTE channels / 4 SIM slots;
eSIM capable
 - Large, secure Wi-Fi coverage
 - AGILE CORE Control
virtual SIM management
 - Built-in Active GPS
- + RSP-Z2 Gateway
 - 2 LMR Ports
 - Up to 4 Resources plus
USB headset
 - Standalone or Unity Distributed
System with Z-Series Controller
 - HTTP or HTTPS User Interface
Access from Any Browser
 - Optional AES-256 on
RoIP traffic

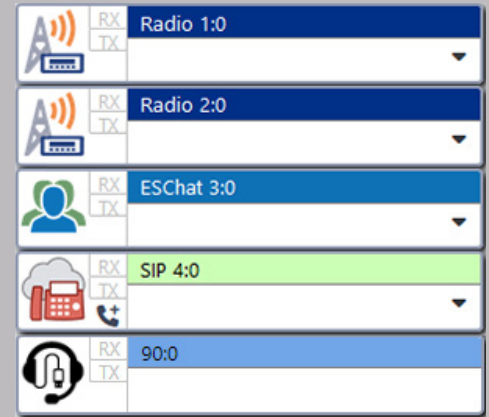
RSP-Z2 GATEWAY

Unique features like patented Adaptive Transmit Delay for a superior trunked radio interface and JPS' continued attention to smooth integration with all types of half-duplex devices provide superior radio system connectivity. SIP-specific options such as Auto Dial on Transmit, Registrar connectivity, and advanced NAT traversal facilitate SIP system and device integration. A growing list of connectivity to different types of audio streaming services ensures the complex challenges of patching these systems to radios or each other is handled with ease.

A serverless solution for secure off-grid operations, the RSP-Z2 gateway can be standalone or integrated into a large, distributed system managed by a Z-Series Controller. TCP box-to-box messaging improves performance on congested, wireless, or unreliable networks.

The dynamic patching capability of the RSP-Z2 can be controlled and its audio flow monitored via its graphical user interface (UI), accessible by browser on any modern computer, tablet, or smartphone.

The resources associated with the two radio connectors on the RSP-Z2 may be configured as local radios or they may be configured for IP-based communications. Two more resources on the RSP-Z2 are reserved for IP-based communications. Additionally, the RSP-Z2 provides configuration for up to four recorder resources, one-way monitoring, and a local USB headset.



U.S. Headquartered and a global innovator, AGILE has a focused mission of being a leading provider of secured communications technologies. AGILE delivers powerful, solid-state, ruggedized, portable, lightning-fast flexible platforms that offer the broadest range of voice, messaging and data on 4G and 5G solutions in the industry. AGILE's full line of products and services support both land and marine applications.

AGILE and its flagship product CORE were born out of their own real-world need to rapidly re-establish critical business communications in the aftermath of a hurricane that crippled local infrastructure. With a deep understanding of communications technology, extensive operational experience, and a passionate commitment to supporting customers, AGILE delivers best-in-class interoperable solutions.

RSP-Z2 GATEWAY SPECIFICATIONS		
RADIO RX AUDIO INPUT	Input Impedance	Balanced 2.2k ohms, transformer coupled
	Input Level	Incoming signals adjustable in approx 4 dB steps from -26 to +12 dBm to set 0 dBm nominal input; +15 dBm clipping
RADIO TX AUDIO OUTPUT	Output Impedance	Unbalanced 600 ohms, AC Coupled
	Output Level	Adjustable from -26 to +12 dBm in approx 4 dB steps, 0 dBm nominal factory default; +9 dBm clipping into a 600 ohm load
	Distortion	0.5% or less (excepting Vocoder)
RADIO COR INPUT	Input Impedance	47k ohm pull-up to +5V / 22k ohm pull down to ground for active high/low
	Polarity	COR: Selectable active low or active high; AUX Inputs: Active low
	Threshold	Vin high (min) = 2.3 VDC; Vin low (max) = 1.0 VDC
	Protection	Up to + 100 VDC
RADIO PTT OUTPUT	Output Type	Open drain
	Maximum Sink Current	100 mA
	Max Open Circuit Voltage	+60 VDC
NETWORK PROTOCOLS AND STANDARDS	Interface Type	10/100BASE-T Ethernet, 10 or 100 Mbps; RJ-45 Connector
	Audio Vocoder	PCMU/G.711u (uLaw), PCMA/G.711a (aLaw), GSM 6.10, Opus
	Encryption	HTTPS, AES-256

