# Z-SERIES
# FAMILY OF PRODUCTS

## *Versatile Interoperability*

JPS Z-Series products integrate easily with existing communication infrastructure to meet any operational requirement, provide unparalleled scalability, and deliver a more cost-effective solution than any traditional approach.



## Connecting

**Radio Channels**
Digital protocols, LMR radio, mutual aid, etc.

**PTToC Talkgroups**
Push-to-Talk over Cellular across supported platforms

**And More...**
Desk phones, consoles, legacy JPS products, etc.

***Z-Series Gateways work independently or together, linking audio communication systems for expansive solutions.***

| Z-Series Gateways | |
|---|---|
| **Z-Series Operator Station™** | Dynamic PTT desktop console with built-in microphone and speaker provides a hands-on interoperability gateway capable of linking streaming audio systems (DFSI, PoC, radio over IP, etc.). |
| **RSP-Z2™** | Highly versatile, dual-radio, multi-resource gateway that is commonly used to link LMR radio channels to other radio channels or PoC services but is equally capable with many other streaming audio types. |
| **STR-Z3™** | High-density interoperability gateway for streaming-type audio such as DFSI, SIP, and PoC provides straightforward connections between disparate communication systems. |
| **Z-Series Controller™** | Local gateway plus large-scale gateway manager that enables the streamlined creation and operation of local and wide-area interoperability systems. |
| **ACU®-Z1™** | All-in-one modular gateway that is sought out as a replacement for retired ACU-1000/2000 devices commonly deployed in Mobile Command Vehicles (MCVs). |

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## Z-Series Product Comparison

| Feature | Z-Series Operator Station | RSP-Z2 | STR-Z3 | Z-Series Controller | ACU-Z1 |
|---|---|---|---|---|---|
| Standard # of Total Resources (including Radio resources) | 4 | 4 | 12 | 24* | 48† |
| Expansion License # of Total Resources (including Radio resources) | 8 | 6 or 8 | 24 or 36 | 80 | |
| Max. # of Local Radio Resources (using cables and gateway's DB-15 connectors) | | 2 | | * | 12 |
| Native Core Digital PoC Integration (availability may vary by device or service) | ✓ | ✓ | ✓ | * | ✓ |
| DFSI Links Licensable (e.g.,to P25 systems) | ✓ | ✓ | ✓ | * | ✓ |
| JPS RoIP+®, JPS RoIP, JPS Bridge, RTP, MCC, SIP | ✓ | ✓ | ✓ | ✓ | ✓ |
| PSTN | | | | | ✓ |
| Concurrent, Multi-User Dispatch | | | | ✓ | ✓ |
| Enhanced Trunked Radio Algorithms | | ✓ | | | ✓ |
| JPS Unity™ (as Management System) | | | | ✓ | |
| JPS Unity (as Distributed System) | ✓ | ✓ | ✓ | | |

** Unity-managed systems (including radio resources) integrate without consuming Z-Series Controller resources and may be managed from the Z-Series Controller.*

*† In a fully loaded chassis with 12 cards.*

## *Every Z-Series Product includes advanced features for security, configuration, and management.*

**What is the difference between a Net and a Monitor or Broadcast Group?**

*A Net is used for two-way audio patches between two or more resources that are linked to communication systems like radio, PoC, etc. Monitor and Broadcast Groups are one-way audio patches.*

**What is JPS Unity?**

*JPS Unity is a built-in feature set for creating & operating wide-area systems of multiple JPS Z-Series gateways and their audio resources. It simplifies initial setup and it streamlines overall management and operation.*

**Is this a comprehensive list?**

*No, the Z-Series has many features – and more being developed today. Software updates are always free.*

- Nets, Monitor Groups, & Broadcast Groups
- Talker ID & Default Talker ID Capability
- Link Profiles (Create / Apply Pre-Configured Patches)
- Operator-Guided Resource Actions / Functions
- Rapid Recall of Received Audio in the UI
- Stored Audio (e.g., for Announcements)
- Resource Profiles / Templates
- Audio in the Web Browser
- Selectable Backup & Restore
- Common Z-Series User Interface
- Context-Sensitive Help Throughout
- Licensable Expansions / Features
- Network Settings, Features, and Diagnostics
- Integrated Multi-User Operation
- Optional Encryption
- User Specific Preferences