



SyTech



RIOS Ai-16

Rackmount Interoperability Gateway



Connect to all types of trunking, conventional, and repeater radio entry points and networks

Interoperate throughout the radio spectrum with PTT functionality, limitless audio patches, and highly functional dispatch groups

Control radio and telephone assets remotely from any RIOS authorised PC connection



The RIOS I/O Module
interfaces to all types of radio systems and communication assets via high-density interface ports designed to adapt to today's changing system requirements.



RIOS Ai-16

16-Port Rackmount Interoperability Gateway from SyTech

The RIOS SR-3000 Series Interoperability Gateway interconnects non-compatible voice and signaling for seamless patching among trunking, conventional, telephony, and smartphone devices.

The SR series allows for multiple dispatch positions in situations requiring secure, multi-personnel command and control. Remote control functionality is available for most types of LMR and base band radios.

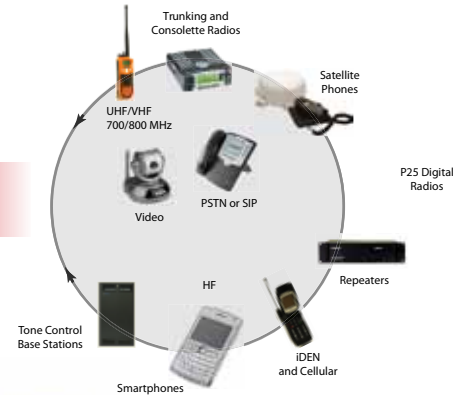
The SR-3000 Series offers sixteen (16) software-defined high-density interface ports for nearly all types of electronic signalling. Advanced capabilities including scalable modules for video, smartphone log-in, recording and paging applications. The SR-3000 is ready to be implemented for both fixed site and mobile command interoperability requirements.



Rackmount Interoperability Gateway

Multiple User Login with RIOS Client
Workstations or RIOS Client Licensing
R-CON-RUGID-PCK or R-SFT-CLNT-CP

Smartphone Access
with RIOS Lite via onboard WiFi
or USB Data Connection



The RIOS Ai-16
Rackmount Interoperability Gateway
With Mobile Command Power Module

Single IP Address

RIOS IP processing allows RIOS to connect to and control various types of IP devices such as smartphones, IP streams, and computers while simplifying network configurations but utilizing a single IP address.

A Typical RIOS Package May Contain:

1. R-PWR-RPS: RIOS rackmount power strip
2. R-AI16-FSPCK1: RIOS Fixed-Site Ai-16 Package 1
3. R-SFT-CP-CLNT: RIOS Client Computer Connect Port
4. R-SFT-CP-RL: RIOS Lite PDA Connection Port
5. R-SFT-RCU-PRO: RIOS Remote Radio Control Profile
6. R-SFT-RL-PRO: RIOS Lite PDA Profile

Specifications

RIOS I/O Module (R-IOC16-A1)

Interface: High-Density DB 26-pin, universal (16)
Audio Input: Balanced or unbalanced 600 ohms;
-68 dRm to +3 dBm, 300 Hz to 3400 Hz
Audio Output: Balanced or unbalanced 600 ohms;
-68 dRm to +3 dBm, 300 Hz to 3400 Hz
Telephony: -38 dBm to 0 dBm, 300 Hz to 3400 Hz
Ring Detection: 30 Vrms, 16 Hz to 68 Hz
Caller ID: V.23 and Bell 202
Digital I/O 1: Two-step PTT
Digital I/O 2: Full RS232 for RoIP
DSP Algorithms: Intelligent VOX or VM, DTMF detection & generation, TX keying tones, TX and/or RX audio relay

RIOS Server (R-SERV-3000)

Processor: Intel Core 2 Duo 2.2 GHz
Storage: 300 GB (DVD archive available)
Operating System: Windows XP/Windows 7
Ethernet: 10/100 Base-T (3)
USB: Standard (6)
DVD+RW: Standard (1)
Dimensions: 3.5"H x 19"W x 20"D (8.9H x 48.3W x 50.8D cm)
Server: 2U
I/O: 1U
Network Topology: Peer-to-Peer
IP Addressing: One per server
VGA monitor, Keyboard & Mouse required (sold separately)

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Rackmount Interoperability Gateway



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