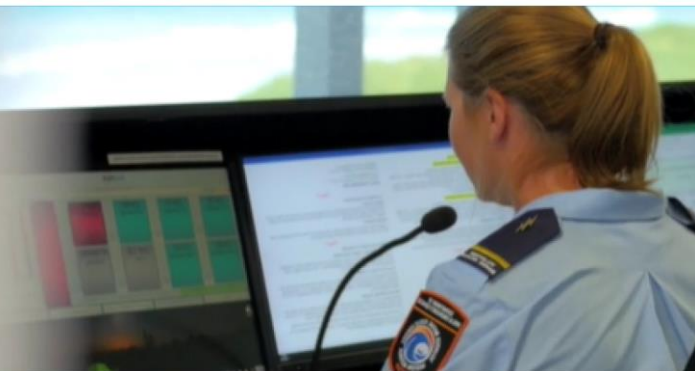




Product Catalog





RoIP Gateways

Connect More In More Ways

Why omnitronics?

Overview

Connect With Anyone Anyhow

Connect your radio infrastructure over existing IP networks such as a VPN or the internet. With remote repeater sites over IP, there is no need for leased lines, radio links or satellites, saving installation and running costs.

Plus, you get the flexibility to adapt and grow your radio network as your organization adapts and grows.



Connect more in more ways.

omniconnect

Interoperability

With a history of 30+ years in the industry, we understand the complexity of connecting people, technologies, protocols and manufacturers into a unified system. We make it work. Easy.

Omnitronics RoIP Gateways are simple to install, use and maintain, but perform in the harshest conditions and mission-critical environments.



Cost Effective

Existing infrastructure used (LAN, WAN or VPN)



Secure Encryption

Built-in encryption protects conversations against unauthorized access and eavesdropping



Interoperability

Join multiple radio technologies and even phones using SIP



Network Flexibility

Connect over wide geographical areas & easily add repeater sites and dispatch locations



Tough & Reliable

No more service interruptions with IP creating redundancy & back-up



Use Existing Systems

Migrate existing analog or digital radio systems with ease



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DIGITAL



DRG100
One box, many protocols



DRG200i
One box, many protocols, two channels



Tetra Gateway-DM
Connect Omnitronics consoles into DAMM Tetra networks

ANALOG



IPR100
Flexible RoIP gateway for analog systems



IPR110+
Advanced RoIP gateway with more



IPR400 S2
2-in-1: Interoperability and full multi-channel RoIP gateway

Technical Specifications

Which One is Right For You?

RoIP Gateway	No of Channels	Type	Supported Signalling	Integrations	No of VoIP Channels	Tone Remote Signalling
DRG100	1	Desktop Unit	RTP (unicast, multicast), SIP	Analog, DMR, NXDN, P25, MotoTRBO, Tetra, IDAS	12	N/A
DRG200i	2	Desktop Unit	RTP (unicast, multicast), SIP	DMR, IDAS IP	24	N/A
IPR100	1	Desktop Unit	RTP (unicast, multicast), SIP	Analog PMR	12	DTMF, CTCSS, Selcall
IPR110+	1	Desktop Unit	RTP (unicast, multicast), SIP	Analog PMR incl. Channel-change, SIP Phone	12	Two-tone paging, EIA tone remote, DTMF, CTCSS, MD1200, Selcall
IPR400 S2	4	Rack Mount 1RU	RTP (unicast, multicast), SIP	Analog PMR incl. Channel-change	48	DTMF, CTCSS, Selcall
Tetra Gateway-DM	Up to 32	Software	RTP (unicast, multicast), SIP	DAMM Tetra	12 Consoles	N/A

NXDN



KENWOOD

NEXEDGE™



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Interoperability Gateways

Interconnect Different Radios Reliably & Fast

Overview

Change Coverage Quickly & Easily

If you're looking for an easy way to interconnect radio equipment from different manufacturers and in different bands, look no further.

Omnitronics Interoperability Gateways interconnect multiple repeaters together at a remote site and provide various paths within a radio network for ultimate interoperability.

Best of all, the devices are manufacturer independent.

“Interconnect different radios reliably and fast with remote control and RoIP.”

omniconnect

Interoperability

With a history of 30+ years in the industry, we understand the complexity of connecting people, technologies, protocols and manufacturers into a unified system. We make it work. Easy.

Omnitronics Interoperability Gateways are simple to use and maintain, but perform in the harshest conditions and mission-critical environments.

Why omnitronics?



Easy

Simple to install, maintain and use



Tough & Reliable

Tested to last 18+ years, used for over 20 years



Interoperability

Standardized method to interface radio equipment



Remote Control

Connect anywhere anyhow - over the air, front panel or IP



RoIP

Connect multiple devices and dispatch across wide geographical areas over IP



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619EI

So easy to set up, all you need is a screwdriver



619DSRI

Smart, flexible & dynamic



IPR400 s2

2-in-1: Interoperability and full multi-channel RoIP gateway

Technical Specifications

Which One is Right For You?

Feature	619EI	619DSRI	IPR400 s2
Number of Ports	6	8	4 (+4 RoIP)
Power Supply & Typical Current	12 Vdc @ 150mA	12 Vdc @ 300mA	12 Vdc @ 500mA
4-Wire Configuration E&M	Manual	Software	Software
Detect / Generate	-	DTMF, CTCSS, Inband, Selcall	DTMF, CTCSS, Selcall
Input / Output	-	Digital: 8 in / 2 out Analog: 2 in	Digital: 2 in / 2 out Analog: 8 in
Network Monitoring	-	-	SNMP
Web Configuration / Firmware Upgrade	-	Included	Included
Patch From Front Panel	-	Included	-
VoIP	-	-	4 channels included
Real-Time Remote Control	-	Included	Included
ESChat	-	-	Included

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IPR400 S2

A 2-in-1 Analog Interoperability **and** RoIP Gateway

Why IPR400 S2?

Overview

Why IPR400 S2?

The IPR400 S2 is a full featured, fast and flexible multi-channel RoIP and interoperability gateway, combining Voice over IP extensions for analog radio equipment and interoperability between disparate radio systems all in one.

The 4 ports of the IPR400 S2 can be linked together internally or with VoIP in a myriad of combinations, making the device ideal for connecting repeater sites. The gateway also features SIP connectivity for use with dispatch consoles such as RediTALK-Flex, **altusomni** or **omnicore**.



The IPR400 S2 makes it super easy to interconnect different radios reliably and fast.

We make it work. Easy.

Highly Configurable

To make configuration a breeze, the IPR400 S2 now incorporates software configurable E&M signals. Using a web browser, you can configure contact, voltage or switched (power or ground) operation for both the M (PTT) outputs and the E (Busy) inputs.



4 Ports

Control up to four two-way radios remotely using **omnilink**



Site Monitoring

Monitor network performance via SNMP Simple Network Management Protocol



Cross-Banding

Link groups of radios, IP and VoIP channels in various combinations



2-in-1

Analog Interoperability Gateway **and** RoIP Gateway



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Encryption

Protect against unauthorized access & eavesdropping

Network Flexibility

Connect in more ways using SIP, multicast or unicast

Web Configuration

Easy set up, management & diagnostics over IP



Quickly Link & Re-Group

Combine & connect users & agencies on demand

PTT over Cellular

Use ESChat to listen & speak over connected radios

Remote Control over IP

Link & cross-band channels remotely using **omnilink**

Technical Specifications

What's Included?

Feature	
Number of Ports	4 (+4 RoIP)
Power Supply	12 Vdc @ 500mA
4-Wire Configuration E&M	Software
Detect/Generate	DTMF, CTCSS, Selcall
Input/Output	Digital: 2 in/2 out Analog: 8 in
Network Monitoring	SNMP
Web Configuration/Firmware Update	Included
VoIP	4 channels included
omnilink Real-Time Remote Control	Included
ESChat	Included

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619DSRI

Smart, Flexible and Dynamic Interoperability Gateway

Why 619DSRI?

Overview

A Digital Smart Radio Interface

Setting a new standard in audio bridging and interoperability, the 619DSRI provides enhanced audio performance, increased functionality and simplified interfacing and application configuration. It gives the communications integrator powerful features that can be used to substantially increase the effectiveness of new and existing radio networks using dynamic configuration.



Quite simply, the 619DSRI is the most cost effective method of interconnecting multiple radios on the market.

We make it work. Easy.

Making the Transition

For peace of mind, the transition to the 619DSRI interoperability gateway is easy; it is compatible with all major radio protocols and is simple to use and maintain.

It features **omni**connect interoperability for those wanting to connect people, technologies, protocols and



Time Saving

Saves considerable time and effort in interfacing disparate radio equipment



Easy Expansion

Significantly reduces the cost of adding additional hardware to your existing setup



Lower Costs

Reduces maintenance costs by enabling remote diagnosis and configuration of repeater equipment



Efficient Operations

Improves organizational effectiveness by allowing networks to be re-configured to operational needs



 **omni**tronics

On-the-fly
Dynamic linking & auto path steering ●

Smart Tone Signalling
Automated actions using CTCSS & inband tones ●

Web Configuration
Easy set up, management & diagnostics over IP ●



Quickly Link & Re-Group
Combine & connect users & agencies on demand ●

Interoperability Interface
Flexible, easy & safe connection to analog & digital radios ●

Remote Control
Instant changes from a DTMF handset ●

Technical Specifications

What's Included?

Feature

Number of Ports	8
Power Supply	12 Vdc @ 300mA
4-Wire Configuration E&M	Software
Detect/Generate	DTMF, CTCSS, Inband, Selcall
Input/Output	Digital: 8 in/2 out Analog: 2 in
Web Configuration/Firmware Update	Included
Front Panel Control	Included
Real-Time Remote Control	Included

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ESChat

Make and Receive Real-Time PTT Calls over Cellular Networks

Why ESChat App?



Leading Format

Compatible with Omnitronics technology - so you can talk to our equipment



PTT Over Cellular

Communicate with radios straight from your mobile smartphone



Connect and Communicate

Up to 4 channels simultaneously with the IPR400 S2



VoIP to Anywhere

Connect to any remote repeater through an Omnitronics RoIP gateway

Connect Smartphones With Radios

Extending your analog radio fleet to include smartphones is now easier than ever. Omnitronics IPR400 S2 and IPR 110+ integrate with ESChat, a remote communications app. The cloud-based service is available with those Omnitronics gateways as standard, keeping teams connected with and without radio.

All that's needed to get started is downloading ESChat to a smartphone or computer, signing up for a subscription and you are ready to start communicating. The license and service connect all working devices, including PTT over LTE with dispatch & radio integration.

Secure Push to Talk Voice

Both group and one-on-one communications between users are supported. ESChat supports eight distinct and customizable Talk Group types.

Getting Started

No matter if you are traveling, in a meeting, at home, or out of radio range, the Omnitronics ESChat integration connects your smartphone to your radio fleet. IPR110+ and IPR400 S2 act as a bridge, connecting the ESChat app to a radio system.



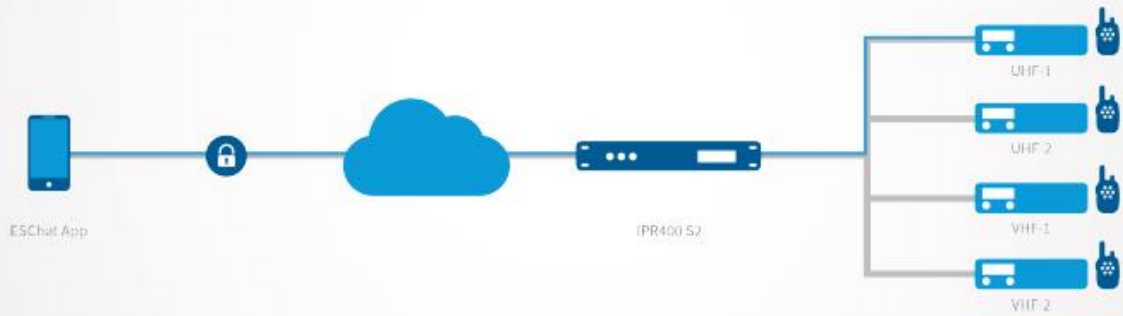
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Diagram

How Does it Work?



FAQ

How Does it Work?

Frequently Asked Questions

Why do I need this?	If you are out of radio range or just out and about without a radio, ESChat makes it possible to connect your smartphone to your radio system.
How easy is it to setup an Omnitronics gateway to work with ESChat?	Very easy. Omnitronics provides a short application note that gets you up and running in minutes.
What radios can I use with an Omnitronics ESChat integration?	ESChat will work with most analog radios that are compatible with the Omnitronics analog gateways. Please note that only the voice function will work between the radio and the ESChat app.
Can radios in my fleet call my phone?	Absolutely. All radio users can communicate with your smart device as long as it has the app installed and a current license activated.
What about Encryption?	Encryption is available between the smartphone and ESChat servers to ensure secure communications over the 4G network.
How do I purchase an ESChat license?	Please go to www.ESChat.com to select your hosted service.
How do I renew an expired license?	You can contact ESChat directly to renew your annual license.

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RediTALK-Flex

Easy to Use & Flexible Standalone Dispatch Software



SML - MED Org
<12 operators
<12 channels

Overview

Easy to Use & Flexible

Regardless of whether your organization is protecting the community, delivering a service or driving commerce and industry, you want the best dispatch management system to carry out your mission in a reliable and efficient manner.

RediTALK-Flex is a pure Voice over IP dispatch system that runs on a standard Windows™ PC or tablet. It's quick to install, easy to use and easy to maintain. Absolutely perfect for small to medium sized organizations.



Omnitronics RediTALK solution allowed us to meet the operational needs for managing multiple radios in a simple to deploy and cost-effective manner.

GRAHAM TAIT, NSW Fire & Rescue

omniconnect

Interoperability Included

Need to connect people, technologies, protocols and manufacturers? **omniconnect** interoperability makes it easy.

What's more, RediTALK-Flex works with both conventional and trunked systems, digital and analog radios, and also supports traditional analog signalling schemes and modern digital technology. Connecting DMR, P25, Tetra and more? No problem.

Why RediTALK-Flex?



Easy

Simple to install, maintain and use. With minimal training.



Cost Effective

Easily customizable to fit the needs of any organization.



Mapping

Make calls from your map with built-in location features.



Geofencing & Tracking

Harness the full power of GPS, incl. historical tracking.



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Interoperability

Connect technologies, protocols and vendors.

Easy to Use

Clean and customizable User Interface

Flexibility

Use the power of IP to connect & unify anywhere

Duress & Emergency

See who calls where and when

**Geofencing**

Easily set up zones & alerts to monitor movements

Radio Linking/Patching

Connect groups of radios in real time

Telephony

Receive and make calls and patch to radios

Location Services

Advanced people and asset tracking

Technical Specifications

Making the Complex Simple

Standard Features

Maximum Number of Channels / Talk-Paths	12
Maximum Number of Consoles in One System	12
Supported Radio Technologies	Analog, P25, DMR, NXDN, MotoTRBO™, NEXEDGE™, IDAS™, Tetra
IP Protocols	RTP (unicast, multicast), SIP, STUN
Digital Radio Functions	Individual call, group call, all call, emergency call, text messages, talk group change, channel change, call alert, radio check/monitor/stun
GPS Essentials	Open StreetMap, online / cache, people & asset tracking incl radio location, status & ID
Audio Processing	Select and monitor audio streams with independent volume control
Analog Signalling	Two-tone paging, EIA tone remote, MDC-1200, DTMF, Selcall
Voice Recording	60 days, radio and telephone Call history shows recordings Transmit recorded voice messages
Radio Linking / Patching	2 independent link groups

Optional Features

Additional Channels / Talk-Paths	Up to 12 channels (in groups of 2)
SIP Telephone	1 line, make and answer calls, patch call to a radio
Geofencing & Historical Playback	Geofences, events, event log, playback of selected user movements, 60 days of recordings

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omnicore

The Quantum Leap in Scalable Enterprise Dispatch



MED - LGE Org
100+ operators
200+ channels

Why omnicore?



Mega Reliable by Design

Natural redundancy through distributed architecture.



Business Intelligence

Operational productivity and safety metrics all in one.



Cloud, Site or Data Center

Deploy how it suits you best.



Easy to Use

With a super customizable layout.



Overview

Next Generation Dispatch

The brand new **omnicore** console is the next generation in scalable enterprise dispatch management and can be hosted on premises, in the cloud or a data center.

An evolution of popular Omnitronics radio dispatch technologies **altusomni** and **RediTALK-Flex**, **omnicore** combines the best of both worlds, and is a flexible, easy to use system for small organizations and large enterprises alike.



The central server delivers the information you need, lets you make instant changes on-the-fly and is unbelievably reliable.

It just works.

We make it work. Easy.

Making the Transition

For peace of mind, the change to **omnicore** is simple: it is compatible with existing tried and proven Omnitronics gateways.

It also features **omnicoreconnect** interoperability for those wanting to connect people, technologies, protocols and manufacturers.

 **omnitronics**



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Contacts
Automagically centralize your contacts databases into one

Easy to Use
Touchscreen interface with a configurable layout

Location Services
Geofencing, alarms, route playback

Reporting
Sophisticated reporting and analytics into existing systems



On-the-Fly
Central changes are instantly updated

Interoperability
Interconnect people, protocols, technologies & manufacturers

Connections
Digital & legacy analog radio systems, phone, paging, SIP

Scalable & Flexible
Powerful, centralized instant configuration

Technical Specifications

A Dispatch Powerhouse

Feature	
Real Time Dashboard	Configurable web display for real-time operational system information
Cloud, Site and/or Data Center Deployment	Designed to be run and managed in a virtual machine environment
Simple Licensing	All licensing stored on central server
Redundancy / Failover (Server Based)	Central server uses Microsoft clustering for mega reliability. Consoles continue to work during server unavailability
Reporting & Analytics	All system information available via REST API. Compatible with industry standard reporting tools
Dispatch User Interface	Do more with less clicks
Central Configuration & Monitoring	Easy to use web based configuration interface
Public Safety Grade Rapid Recall	Advanced instant voice recording and playback. Locally stored audio recordings of all calls
Integrated Location and Real-Time Mapping	Configurable real-time display of devices on map. Customizable icon and identity display
Support for Multiple Organizations	One server can be used to manage independent organizations or business units

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altusomni

Enterprise dispatch and business analytics for mission-critical environments



MED - LGE Org
60 operators
200+ channels

Why altusomni?



Business Intelligence

Operational productivity & safety metrics all in one.



Small & Powerful

Minimal rack space, powerful processors, low maintenance.



High Availability

Modular design with high reliability and built-in redundancy.



Easy to Use

With a super customizable layout and built-in GPS.



Vendor Independent

Interoperability with multiple communication technologies and vendors.



Overview

Secure, Reliable and Robust

As the next generation of the popular and proven Omnitronics DX-Altus radio dispatch system, **altusomni** is the most secure, reliable and robust enterprise dispatch management solution for mission-critical environments.

Get More

Feature Packed

Lots of features come included as standard, like rapid recall, location services, **omnicconnect** interoperability, redundancy and reliability, deep analytics and reporting with real-time dashboards, night mode, distributed servers and more.



Detailed reporting in real-time really helps manage team safety and productivity.

omnicconnect

Interoperability Included

Need to connect people, technologies, protocols and manufacturers? **omnicconnect** interoperability makes it easy.

What's more, **altusomni** works with both conventional and trunked systems, digital and analog radios, and also supports traditional analog signalling schemes and modern digital technology. Connecting NXDN, DMR, P25, Tetra and more?



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Easy to Use

Touchscreen interface with a highly configurable layout

Scalable

Up to 60 operators and 224 radio channels simultaneously

Analytics & Reporting

Optimize productivity & efficiency through data insights

Architecture

Centralized modular server with contacts database

Real-time operating system

Secure and impervious to viruses and malware



Location Services

Integrated real-time tracking of personnel and assets

Telephony

Connect with modern and legacy systems

API

Integrate and customize with third party applications

Radio Linking / Patching

Connect groups of radios on demand

Rapid Recall

Public safety grade instant audio recording and playback

Technical Specifications

We Include More

Standard Features

Real Time Dashboard	Configurable web display for real-time operational system information
Redundancy / Failover (Server Based)	Central server with built-in redundancy and modular components.
Supported Radio Technologies	Analog, P25, DMR, NXDN, MotoTRBO™, NEXEDGE™, IDAS™, Tetra
Public Safety Grade Rapid Recall	Advanced instant voice recording and playback. Locally stored audio recording of all calls.
Digital Radio Functions	Individual call, group call, all call, emergency call, text messages, talk group change, channel change, call alert, radio check/monitor/stun
Audio Processing	Select and monitor audio streams with independent volume control
Analog Signalling	Two-tone paging, EIA tone remote, MDC-1200, DTMF, Selcall
Voice Recording	Radio and telephone Access recordings from Call History Transmit recorded voice messages
Radio Linking / Patching	12 independent link groups
Integrated Location and Real-Time Mapping	Configurable real-time display of devices on map. Customizable icon and identity display.
Telephony	Make and answer calls, hold, park, transfer, patch calls to a radios
Geofencing & Historical Playback	Geofences, events, event log, playback of selected user movements, 60 days of recordings

Optional Features

Advanced Location Services	Shared geofencing & historical playback of selected user movements with event log, long-term storage of recordings
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