



What is REDI-COMM™?

REDI-COMM is a portable, flexible and rapidly deployable communications interoperability platform. REDI-COMM enables the quick establishment of communications between multiple first responders, military and government departmental agencies responding to or commanding and controlling the response to an emergency event.

What does REDI-COMM do?

REDI-COMM enables interoperability between a wide array of both legacy and next-generation communications devices including tactical/military radios, industry-standard commercial radios, analog and digital telephone sets, IP phones and cellular phones.

Who should buy or deploy REDI-COMM?

REDI-COMM is available to local first responder groups such as fire departments, law enforcement and emergency management agencies, as well as state department agencies, public safety, port authorities and emergency response teams. REDI-COMM is also available to federal end users including FEMA and other agencies, and directorates in the Department of Homeland Security and the Department of Defense.

What application does REDI-COMM target?

REDI-COMM is designed to address what is known in the industry as the interoperability of communications problem. This is the inability of multiple first responder groups (local, state and federal government agencies and military) and public safety organizations to communicate with one another and coordinate activities due to their use of different radios, devices, frequencies and networks. REDI-COMM bridges that gap in communications by enabling all responders to talk.

Why do first responders and public safety organizations have an interoperability problem?

Local, state and federal agencies make decisions via radio systems and communications equipment based on their day-to-day operational needs. These different systems and equipment, manufactured by various entities, were not designed to interoperate, therefore they do not.

How many responders can a REDI-COMM operator unit connect?

A single REDI-COMM unit can interface with 8 radios, 8 telephones (analog and/or digital) and each unit can accommodate 16 VoIP calls. REDI-COMM is also equipped to handle 4 T1 or E1 facilities and a single POTS connection. Sixteen (16) operators can interface with one REDI-COMM unit.

Can the system be expanded?

Yes. Up to 64 REDI-COMM units can be networked to handle as many as 1,024 communications devices.

Are there any applications other than first response and public safety?

Yes. There are applications where communications are needed between two or more disparate communications systems such as radio, terrestrial and satellite communications. Other applications include military, airport and seaport law enforcement, transportation, healthcare and other such enterprises.

Did Sanmina-SCI develop REDI-COMM?

Yes. Sanmina-SCI developed REDI-COMM and TOCNET®, the engine that powers the functionality of REDI-COMM. In addition to TOCNET, REDI-COMM utilizes commercial, off-the-shelf products and components.

What is TOCNET?

TOCNET is a tactical and airborne digital intercommunications system (integrated hardware and software) for military applications.

What are the components that make up a TOCNET system?

A TOCNET system consists of one or more Micro Central Switching Units (MCSUs) that provide the central processing functions, and one or more Crew Access Units (CAUs) that function as the operator/ user stations.

Is TOCNET the only component of REDI-COMM?

No. In addition to the TOCNET components, REDI-COMM is equipped with a standard telephone channel bank, an 802.11 b/g wireless router, a P25 compliant radio and a rugged laptop equipped with a Soft CAU.

How can I buy a REDI-COMM unit?

Contact the Defense & Aerospace Systems Division of Sanmina-SCI at 256.882.4569 or email DAS@sanmina-sci.com for a quotation.

Are there financing options?

No. However, the federal government, through its agencies and the Department of Homeland Security, has appropriated millions of dollars for first responder groups at the state and local levels to purchase equipment and training for resolving the interoperability of communications problem. Sanmina-SCI is ready to assist users in researching and obtaining grant money.

Can I see a demonstration of the unit's capabilities?

Yes. Sanmina-SCI would be happy to speak with interested parties and schedule a demonstration. Please contact us at 256.882.4569 or email DAS@sanmina-sci.com.

How is REDI-COMM transported to a temporary command post?

With dimensions of 27" x 25" x 27" and a weight of 85 lbs., the unit is easily transported to the field by a truck, SUV or van.

How much time does it take to install a unit?

REDI-COMM was designed for quick service set-up and placement. The unit can run on either AC or DC power. The interfaces for the radios and phones are all industry-standard connections. The interactive touch panel Crew Access Unit (CAU) is an intuitive menu-driven interface that facilitates quick unit configuration and conference set-up. A Soft CAU can run on a workstation, PC, laptop, or PDA and provides the operator complete access to the unit's functionality.

Where would a customer install REDI-COMM?

REDI-COMM is universally deployable even in harsh and threatening environments. The unit could be deployed at a fixed site command post – in the field at a temporary command post in an emergency, or at a permanent site such as a county or regional Emergency Management Agency office. REDI-COMM is permanently installable in an emergency response vehicle, aircraft and/or watercraft.

About Sanmina-SCI

Sanmina-SCI Corporation is a leading electronics contract manufacturer serving the fastest-growing segments of the global Electronics Manufacturing Services (EMS) market. Recognized as a technology leader, Sanmina-SCI provides end-to-end manufacturing solutions, delivering unsurpassed quality and support to OEMs primarily in the communications, defense and aerospace, industrial and semiconductor systems, medical instrumentation, multimedia, enterprise computing and storage, automotive technology and renewable energy sectors. Sanmina-SCI has facilities strategically located in key regions throughout the world. More information regarding the company is available at www.sanmina-sci.com.

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