SwitchplusIP®
FOR DEFENSE

C4i

Simplifying communications

SwitchplusIP®
for Defense

C4i has extensive experience providing advanced integrated command, control and communications systems for the Defense market; supplying solutions to suit the varying requirements of multiple platforms.

C4i's solutions are designed to maintain high situational awareness on a variety of different missions; with the ability to deliver transportable and fixed, multi-security domain Air Defense communications systems through to vehicle and tent-based gateways, and command and control systems. Our system flexibility also extends to naval shipboard applications, as well as shore-based voice and data systems. C4i — a trusted global supplier — has built leading edge, rugged and reliable solutions for the Defense market for decades.

SwitchplusIP® Command-Center

SwitchplusIP® Command-Center provides all the functionality required by a single or joint forces national C4I operations center to communicate with distributed and deployed assets via easy-to-use, intuitive touchscreen operator consoles. Command-Center provides operators with enormous capability at their fingertips; supporting both single and multi-level security domain environments through one integrated user terminal. C4i's Command-Center is also suitable for single and distributed multi-site, national operations.

SwitchplusIP® Command-Post

The SwitchplusIP® Command-Post is a tactical C4ISR system designed to give superior Brigade and Below command application in Tactical, Deployable, or Mobile Operations Centers. C4i's Command-Post provides the battalion or company commander with complete control of both tactical communications and fixed facility assets. This includes support for confidential communications via a secure operator solution which allows the processing of both secure and non-secure audio simultaneously by the operator.

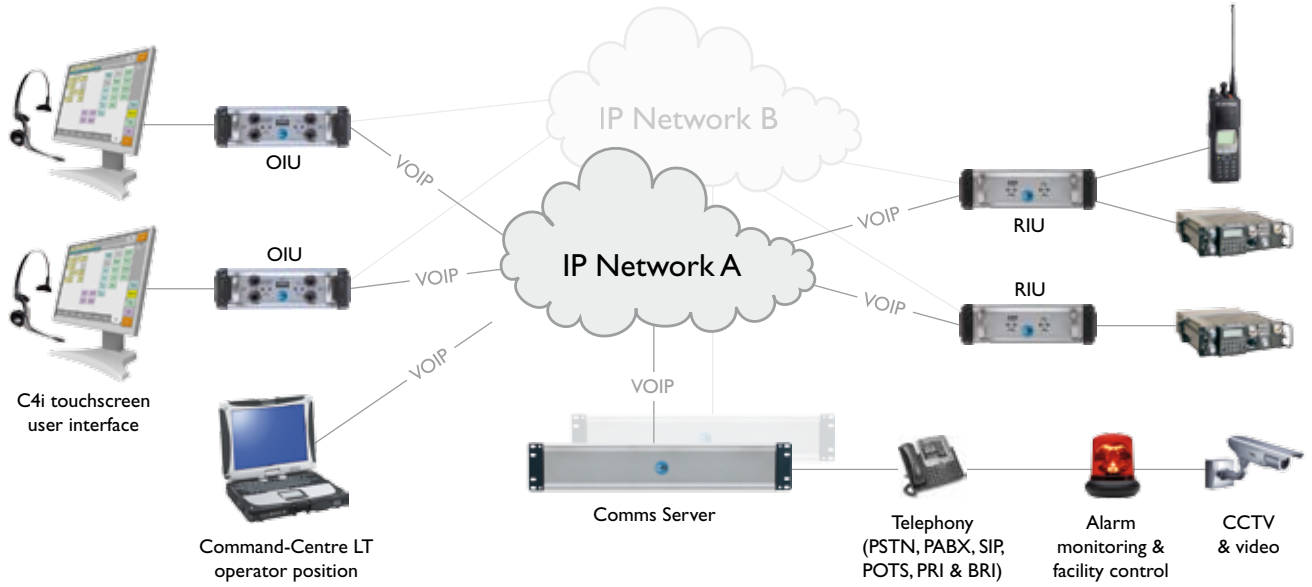
Switch*plusIP*® Mobile-Dismount

The Switch***plusIP***® Mobile-Dismount communications system is a compact, modular, IP based Intercommunications System (ICS) suitable for in-vehicle or dismount-based applications. It provides deployed mobile operators with flexible, rapid and reliable access to vital tactical communications assets in an extremely small and rugged package. The Mobile-Dismount system provides Battalion and Below with a powerful feature set to assist with situational awareness; delivering clear digital communications and ultimate interoperability.

Switch*plusIP*® Platform Features

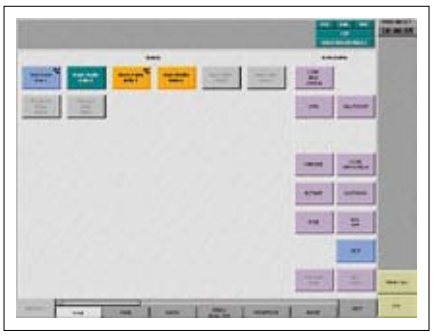
- Support for single and distributed multi-site systems in single and multi-level security domains
- Flexible, customizable graphical touchscreen user interface
- Scalable from 1 to 100s of users
- Coverage for multiple radio technologies (UHF, VHF, HF-ALE, RED/BLACK, P25, Tetra, MPT1327, MDC1200, Tone Remote, Two-Tone Paging)
- Support for a large library of radio types for local and remote control (frequency, power, mode, Havequick, ALE, channel, talkgroup etc, anywhere supported by the radio)
- Integration and control of radio, telephony, cryptographic equipment, facility control, fire alarms, public address, CCTV, voice and data recording, LAN and WAN and security systems
- Any-resource-anywhere-anytime capability
- Support for IP and legacy telephony (SIP, E1/T1, PRI/BRI, FXO, FXS)
- Access to configurable Standard Operational Procedures (SOP) with integrated asset management and vehicle dispatch
- Radio brand agnostic interoperable communications
- Enhanced fault tolerance and high availability system design
- Ongoing software feature development to reduce obsolescence

Switch*plusIP*® typical system architecture



Switch*plusIP*® User Interface

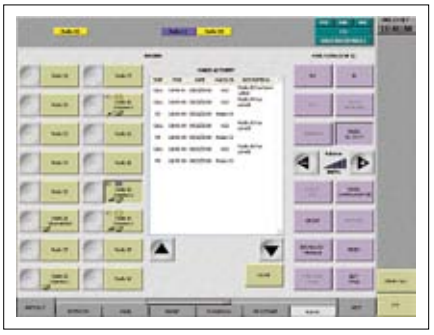
A sample selection of user interface screens is shown below:



Role based user access

Seamless telephony and radio integration

Access to 100s of radios



Integrated radio activity

Fire and facility alarm integration

Standard operating procedures

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