

Switch**plusIP**®

Communications Server Unit (CSU)



Interoperability between 2-way radio and enterprise telephony via open standards

Simplifying Radio Over IP technology

The Switch**plusIP**® Communications Server Unit (CSU) is one of the Switch**plusIP**® primary building blocks and provides the powerful core of the Switch**plusIP**® system. Its primary function is to provide telephony gateway services for the remainder of Switch**plusIP**® however it is also responsible for other system wide functions including overall system SIP registry, event logging and central configuration version management.

The Switch**plusIP**® Communications Server Unit (CSU) allows the Switch**plusIP**® system to seamlessly integrate into telephone services including both Public Telephone Networks (PSTN) and Private Branch Exchanges (PBX). It provides flexible call handling and call distribution (conferencing, transfer, hold, park etc) and a range of physical telephony interfaces (PRI ISDN (E1, T1) BRI ISDN, FXO, FXS, voice mail etc) and IP via SIP and H323 trunks.

For small mobile-dismount applications the CSU functionality can be optionally embedded within the RIU.

Simplifying radio and telephony integration

The CSU is flexible and configurable by the addition of up to four (4) Switch**plusIP**® telephony cards per chassis. The Telephony cards are available in either analogue or digital versions with as many as sixteen (16) E1/T1, ninety-six (96) analogue FXO/FXS or combinations in between.

For high availability applications the CSU supports dual redundant configurations supporting dual LAN interfaces ensuring that mission critical audio always gets through to its destination.

The CSU can also be used standalone as a fully functional soft PBX, integrated with other open standards types solutions or as part of a larger total C4i communications solution.

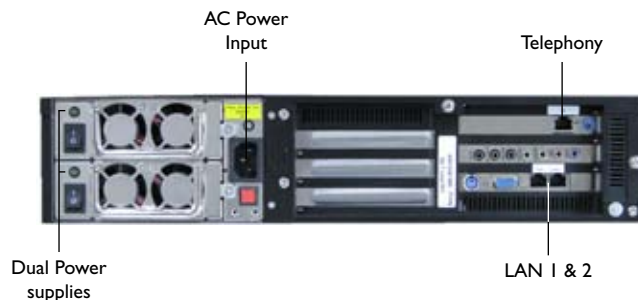


Seamless telephony and radio integration

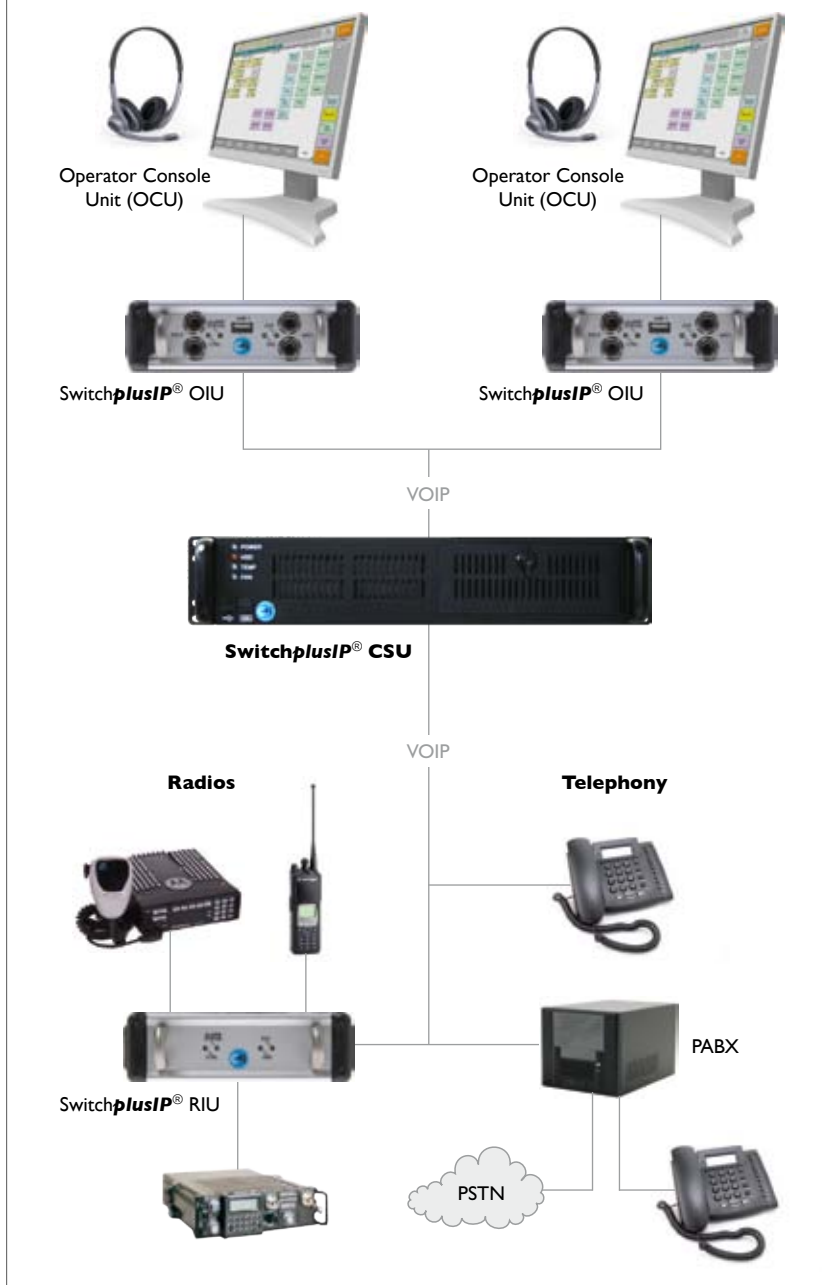


Access to 100s of radios





CSU use in a typical SwitchplusIP® system



Specifications

Dimensions (W x H x D) 483 x 89 x 450 mm
19 x 3.5 x 17.72 in

Weight 14.4 kg / 31.7 lbs

Mounting Type Rack; 2U high

Power Input

AC 110–240VAC, 50/60Hz, 6Amps

DC DC power available
Dual Power supplies (optional)

Connection Interfaces

DC Power IEC

Ethernet 2 x IEEE 802.3 10/100 Base-T
1 x RJ45 socket (two Ethernet ports)

Telephony RJ11

CODECS G.729, G.711 A-law, G.711 μ -law

Software Protocols FoIP, SIP, VoIP, RTP

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Simplifying communications