

# JANUS REMOTE COMMUNICATIONS

## LTE910PS™ POTSwap

### Description

The Janus POTSwap allows users to replace landline (POTS - plain old telephone service) telephones with a wireless cellular connection. Legacy landline telephone equipment can be replaced by the POTSwap at fixed locations or in mobile environments. Both dial-in and dial-out voice applications are supported.

The POTSwap provides a FXS connection (RJ11 jack) for complete Central Office emulation including: dial tone, ringing, busy signal generation and DTMF detection.

The POTSwap emulates all the functions of a wired telephone connection and supports GPS for emergency (911) call location. Configuration of the POTSwap is achieved via a local serial interface connection. Wireless connectivity is provided by the Janus line of CF Plug-In cellular modems. Support is available for all 3G and 2G cellular networks.



### Features

- Supports 3G and 4G network standards
- Wide operating temperature range
- ARM Cortex-M3™ processor
- Firmware upgrade support
- Flexible power supply options
- Rugged aluminum enclosure

### Applications

- Emergency phone kiosks
- Broadcast trucks
- Marine telephones
- Mobile office trailers
- Elevator telephones
- Public School Districts

### POTSwap Connectivity



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**Making machines talk.**

## Specifications

### Interfaces

Modem/Telephone	RJ11 FXS
Serial	USB Mini -- user terminal interface for configuration and firmware upload.
Cellular Antenna	SMA
GPS Antenna	SMA; 3.3 V LNA bias voltage output.
Power Input	7-15 Vdc; 22W with two input alternatives: 6mm DC power jack with 2mm center pin positive 5.08mm (0.200") terminal header (accepts screw clamp and crimp connector type terminal blocks)

### Features

SLIC	Performs all BORSCHT functions DTNF decoding REN=5 at 100 ft. (30m)
Voice	Voice over cellular
Cellular Connection	Socket cellular modems, with support for 3G networks with 2G fallback
SIM Card	Mini (2FF size) SIM Card (HSPA version only)
Mounting	Integrated mounting brackets
Pushbuttons	SELECT, MODE and RESET
LEDs	Power, Status, Cellular Link and Signal Strength
Dimensions	(L x W x D) 6.5 in (165mm) x 5.2 in (132mm) x 1.2 in (30mm)
Weight	15 oz (425 g)

### Environmental

Operating Temperature	-40° C to +60° C (-40° F to 140° F) <i>(Note: Operation below -25°C requires use of terminal header for power input)</i> <i>(Note: Operating temperature may be limited by specific cellular module choice)</i>
Relative Humidity	5% to 95% (non-condensing)



Front View



Rear View

## POTSwap™ Ordering Information

POTSwap MODEL	DESCRIPTION
HSPA910PS v1.00	TAUVNG HSPA+/UMTS/EDGE/GPRS/GSM (AT&T and PTCRB)
EVDO910PS v2.00	TAUVNG EV-DO (Sprint)
EVDO910PS v3.00	TAUVNG EV-DO (Verizon)

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See website for latest revision. Not intended for life support applications.