

JANUS REMOTE COMMUNICATIONS

LTE910PS POTSwap™ Premium Kit

Description

The Janus POTSwap allows users to replace analog (copper) phone lines, also called POTS (plain old telephone service) or PSTN (public switched telephone network), with a cost-competitive POTSwap unit and cellular voice and data plans. The POTSwap converts your fixed location landline devices to cellular enabled fixed or mobile implementations.

Installing a POTSwap is the easiest way to switch legacy equipment from traditional phone landlines to a 4G LTE network. The existing phone line is connected directly to POTSwap. Simply unplug the telephone jack from its wall outlet and plug it into the POTSwap's RJ11 socket. Insert the appropriate SIM card into the back panel of the unit.

Integrating Telit's LE910C1-NF LTE module as their cellular engine, the LTE910PS POTSwap units operate in LTE bands 2, 4, 5, 12, 13, 14 (FirstNet only), 66, 71 with fallback to HSPA+ bands 2, 4, and 5. North American carriers include: AT&T, T-Mobile, and Verizon. Rogers, Bell and Telus versions will be available soon for Canadian customers.

Janus POTSwap Premium Kits offer customers a POTSwap unit and accessories that assist in protecting the POTSwap from electrical damage caused by lightning strike or other environmental issues and are more appropriate for challenging installations.

Included in the Premium Kit:

- (1) LTE910PS POTSwap (Version chosen by customer)
- (1) AC/DC Wall Adapter 12V 24W
- (1) 3-in-1 LTE MIMO/GNSS Antenna with SMA connector – 10'
- (3) Lightning Arrestors SMA Jack to SMA Bulkhead
- (3) 18" Patch Cable SMA to SMA
- (1) Grounding Wire 12AWG stranded, Green 30ft
- (1) Quick Start Guide Documentation



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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Bulletin **JA16-LTE-PB_PK**
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Making machines talk.

POTSwap™ Premium Kit

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 DTMF decoding REN=5 at 100 ft. (30m)
Voice	VoLTE (4G) and Voice over cellular (3G fallback)
Cellular Connection	4G (LTE) bands 2, 4, 5, 12, 13, 66 and 71. Plus 3G (fallback) bands 2, 4 and 5.
SIM Card	Micro (3FF size) SIM Card
Mounting	Integrated mounting brackets
Pushbuttons	MODE and RESET
LEDs	Power, Status, Cellular Link, GPS and Signal Strength
Dimensions (L x W x D)	6.0 in (152mm) x 5.2 in (132mm) x 1.2 in (30mm)
Weight	13 oz (365 g)

Environmental

Operating Temperature	-40° C to +60° C (-40° F to 140° F) <i>(Note: 6mm DC power jack is not specified for operation below -25°C)</i>
Relative Humidity	5% to 95% (non-condensing)

LTE POTSwap™ Ordering Information

POTSwap MODEL	DESCRIPTION
LTE910PS v1.00	AT&T, Rogers, Bell and Telus (no Band 14)
LTE910PS v2.00	Sprint (not available until VoLTE is supported)
LTE910PS v3.00	Verizon (no Band 14)
LTE910PS v4.00	FirstNet (First Responders – Band 14 available)
LTE910PS v5.00	T-Mobile (no Band 14)

Revision History

Revision	Revision Date	Note
00	02/18/20	Initial Release
01	03/11/20	Updated Kit info

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