

JANUS[®] REMOTE COMMUNICATIONS

LTE910PS POTSwap™

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 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 offers carrier voice plans in support of the LTE POTSwap. Equipment lease options are available to qualified customers. Contact Janus for more information.

Applications

- Emergency phone kiosks
- Broadcast trucks
- Marine telephones
- Mobile office trailers
- Elevator telephones
- Public school districts



Approvals:

- Regulatory Approvals:
 - PTCRB
 - FCC ID: R17LE910CxNF
 - ISED Canada: 5131A-LE910CxNF
 - UL: 62368-1 Coming Q1 2021
- Carrier approvals:
 - AT&T
 - Verizon

Check with Janus if you require any specific carriers not identified.
- RoHS Compliant ✓ RoHS

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

POTSwap Connectivity



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Bulletin **JA16-LTE-PB**
Revision **07**
Date **24 Nov 2020**



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 DTMF decoding REN=1 at 100 ft. (30m)
Voice	VoLTE (4G) and Voice over cellular (3G fallback)
Cellular Connection	4G (LTE) bands 2, 4, 5, 12, 13, 14 (FirstNet only), 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) (Note: 6mm DC power jack is not specified for operation below -25°C)
Relative Humidity	5% to 95% (non-condensing)

LTE POTSwap™ Ordering Information

POTSwap MODEL	DESCRIPTION
LTE910PS v1.00 - TBUVN	AT&T, Rogers, Bell and Telus (no Band 14)
LTE910PS v3.00 - TAUVN	Verizon (no Band 14) (Emergency calls to 911 are not supported)

LTE POTSwap™ Carrier Certifications and Regulatory Approvals

The POTSwap includes several cellular carrier and regulatory approvals and certifications, as stated in our Product Briefs, User Manuals, and other documentation. *Ultimately, the customer is responsible for ascertaining and abiding by the Federal, State and local laws, regulations and other requirements regarding the application in which they will deploy the POTSwap.*

Revision History

Revision	Date	Note
00	06/18/19	Initial Release
01	01/30/20	Revisions to Firmware
02	02/18/20	Updated Band Information
03	04/28/20	Updated Firmware info
04	07/27/20	Added Certification Information
05	09/17/20	Updated Ordering Information
06	09/27/20	Added UL 62368-1 Safety Standards & Removed info on Data Plans
07	11/24/20	Notice to customers: Carrier, Certifications and Regulatory Approvals