

JANUS REMOTE COMMUNICATIONS

LTE910PS POTSwap™ Standard 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, 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.

POTSwap STANDARD KITS offer customers a POTSwap unit and standard accessories that are suitable for use within most office environments. The kits contain all items necessary to operate a POTSwap under normal operational situations.

Included in the Standard Kit:

- (1) LTE910PS POTSwap (specific version chosen by customer)
- (1) AC/DC Wall Adapter 12V 24W
- (2) LTE Antenna with SMA Connector (swivel)
- (1) GPS Active Antenna – Waterproof – Magnetic Mount – SMA Connector - 10 Feet
- (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_SK**
Revision **00**
Date **18 Feb 2020**



Making machines talk.

POTSwap™ Standard 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 |
| LTE910PS v2.00 | Sprint (not available until VoLTE is supported) |
| LTE910PS v3.00 | Verizon |
| LTE910PS v4.00 | FirstNet (specifically for First Responders) |
| LTE910PS v5.00 | T-Mobile |

Revision History

| Revision | Revision Date | Note |
|----------|---------------|-----------------|
| 00 | 02/18/20 | Initial Release |

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