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

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

Approvals:
- Regulatory Approvals:
  PTCRB
  FCC ID: R17LE910CxNF
  ISED Canada: 5131A-LE910CxNF
- Carrier approvals:
  AT&T
  Check with Janus if you require any specific carriers not identified.
- RoHS Compliant

POTSwap™

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
- 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

<table>
<thead>
<tr>
<th>POTSwap MODEL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>LTE910PS v1.00 - TBUVN</td>
<td>AT&amp;T, Rogers, Bell and Telus (no Band 14)</td>
</tr>
<tr>
<td>LTE910PS v2.00</td>
<td>Sprint (not available until VoLTE is supported)</td>
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<tr>
<td>LTE910PS v3.00</td>
<td>Verizon (no Band 14)</td>
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<tr>
<td>LTE910PS v4.00</td>
<td>FirstNet (First Responders – Band 14 available)</td>
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<tr>
<td>LTE910PS v5.00</td>
<td>T-Mobile (no Band 14)</td>
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Revision History

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<th>Note</th>
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<tr>
<td>00</td>
<td>06/18/19</td>
<td>Initial Release</td>
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<tr>
<td>01</td>
<td>01/30/20</td>
<td>Revisions to Firmware</td>
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<tr>
<td>02</td>
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<td>Updated Band Information</td>
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<td>03</td>
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<td>Updated Firmware info</td>
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<td>04</td>
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Contact Sales for Additional Special Order Options:
Dave Jahr: djahr@janus-rc.com  | 630-499-2121

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