

JANUS REMOTE COMMUNICATIONS

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.



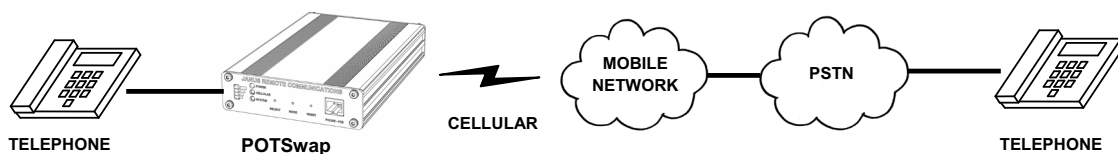
Features

- Supports all 2G and 3G 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

POTSwap Connectivity



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Making machines talk.

Specifications

Interfaces

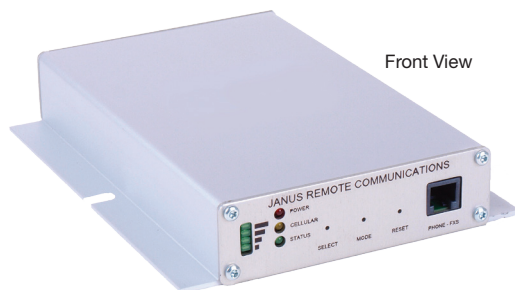
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|------------------|--|
| Modem/Telephone | RJ11 FXS |
| Serial | DB9 female DCE -- user terminal interface for configuration and firmware upload. |
| Cellular Antenna | SMA |
| GPS Antenna | SMA; 2.85 V LNA bias voltage output. |
| Power Input | 7-15 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 | Voice over cellular |
| Cellular Connection | Terminus Plug-In 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) |



POTSwap Ordering Information

| | |
|------------------------|---------|
| HSPA910PS V1.00 TAGFNG | AT&T |
| EVDO910PS V2.00 TAGFNG | Sprint |
| EVDO910PS V3.00 TAGFNG | Verizon |

Contact Sales for Additional Special Order Options:

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