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.
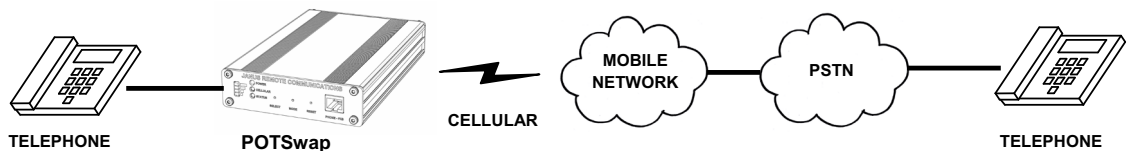
Features

- 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

TELEPHONE — POTSwap — CELLULAR — MOBILE NETWORK — PSTN — TELEPHONE

Bulletin	JA16-PB
Revision	07
Date	02 May 2017

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Making machines talk.

POTSwap

Specifications

Interfaces

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)
	(Note: Operation below -25°C requires use of terminal header for power input)
	(Note: Operating temperature may be limited by specific cellular module choice)
Relative Humidity	5% to 95% (non-condensing)

Front View

Rear View

POTSwap Ordering Information

HSPA910PS V1.00 TAGFNG	AT&T
EVDO910PS V3.00 TAGFNG	Verizon

Contact Sales for Additional Special Order Options:

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