JANUS REMOTE COMMUNICATIONS

400AP Cellular SBC Gateway Series

Description

The Janus 400AP is an industrial grade Single Board Computer featuring a 400MHz Cortex ARM9 processor, modular Cellular Technology, CANBUS and an SD card housed in a rugged aluminum enclosure. The 400AP comes standard with a Linux buildroot image that can be modified to the user's application requirements or removed for bare metal or other OS programming. Available in 3G HSPA and 4G LTE cellular versions, the 400AP products are ideal for use in all wireless applications that require advanced processing power and robust connectivity. External connectors allow the customer to choose the precise antenna for their application needs.
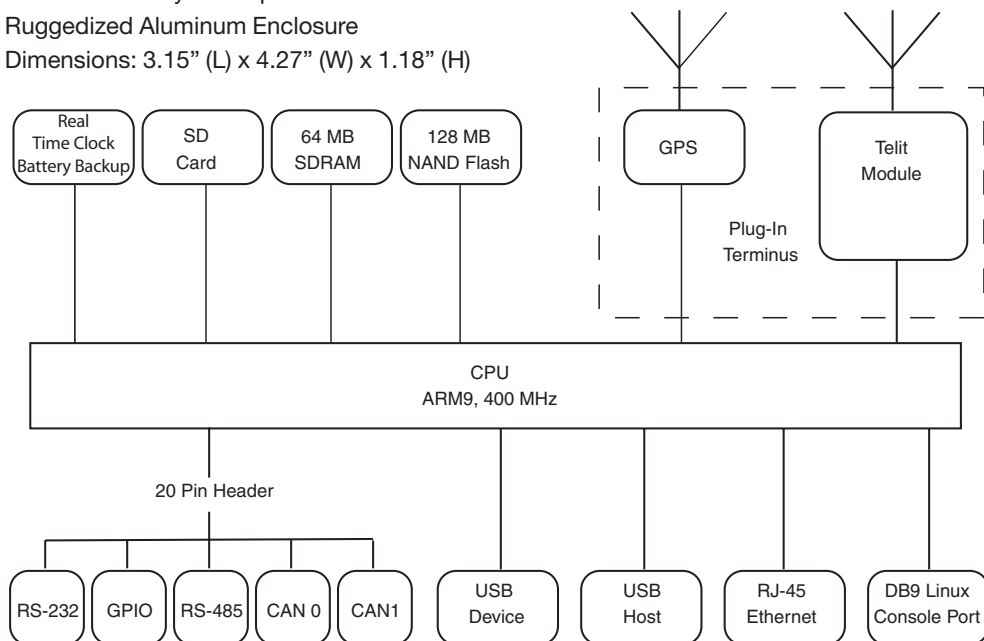
Features

- ARM9™ Processor capable of running embedded Linux™
- 128 MB of NAND Flash
- 64 MB of SDRAM
- HSPA, LTE
- 802.3 Ethernet 10/100
- USB Host Port
- Externally exposed RS-232 and RS-485 ports
- CAN Interface (2 Channels)
- Embedded GPS (optional)
- Six Exposed GPIOs
- SD Card
- RTC with Battery Backup
- Ruggedized Aluminum Enclosure
- Dimensions: 3.15" (L) x 4.27" (W) x 1.18" (H)

Benefits

- Quick-to-market solution
- Increased reliability from a proven hardware platform
- Uses Linux-based open source software for simplified development
- Cost-effective solution to custom manufacturing
- Easily adapts to future technology

Telit is in it.

Making machines talk.

400AP Block Diagram

400AP Cellular SBC Gateway

Hardware Specifications

Processor & Memory

400 MHz **ARM9™** CPU

128 MB NAND Flash

64 MB SDRAM

External Interfaces & Connectors

Power Input: 7 to 26 Vdc

Connectors: DB-9, USB 1.1, RJ-45 10/100 Ethernet, GPS MCX female and GSM/CDMA SMA female

LEDs for power, cellular link status, Ethernet link, and speed

1 programmable LED for application specific use

SD Card

Internal Peripherals

RTC (Real Time Clock) with battery backup

Full GPS receiver

LTE/HSPA Cellular Options

Debug serial console port

802.3 Ethernet 10/100

CAN

RS-232

RS-485 configured for J1708

USB Host

SD Card

Ordering Information

LTE400AP	V600	T	A	U	V	N
Cellular Terminal	**Carrier Certified & Version**	**Modem Provider**	**Firmware**	**Connector**	**Voltage**	**Config Options**
HSPA+ HSPA400AP	**HSPA+** V100 = AT&T w/GPS	T = Telit	A = Standard	U for U.FL	V = Variable	N = No Config P = Positioning A = Activation S = SIM
LTE LTE400AP	**LTE** V600 = Verizon CAT1 V700 = AT&T CAT1 V800 = All US Carriers CAT4 V1000 = AT&T CAT-M1 V1500 = All US Carriers CAT1					*Note 1*

Example: Part Number – **LTE400APV600TAUVN** =
LTE Intelligent Cellular Terminal; Verizon CAT 1 Certified; Telit Modem

Contact Sales for Additional Special Order Options

Bill Borton: bborton@janus-rc.com | 630-499-2121

Notes:

1. **Config Options: Provisioning** *is turning on a device on the network.* **Activation** *is assigning MEID's to a customer account.* **SIM** *designation is for installation of the SIM*

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