

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

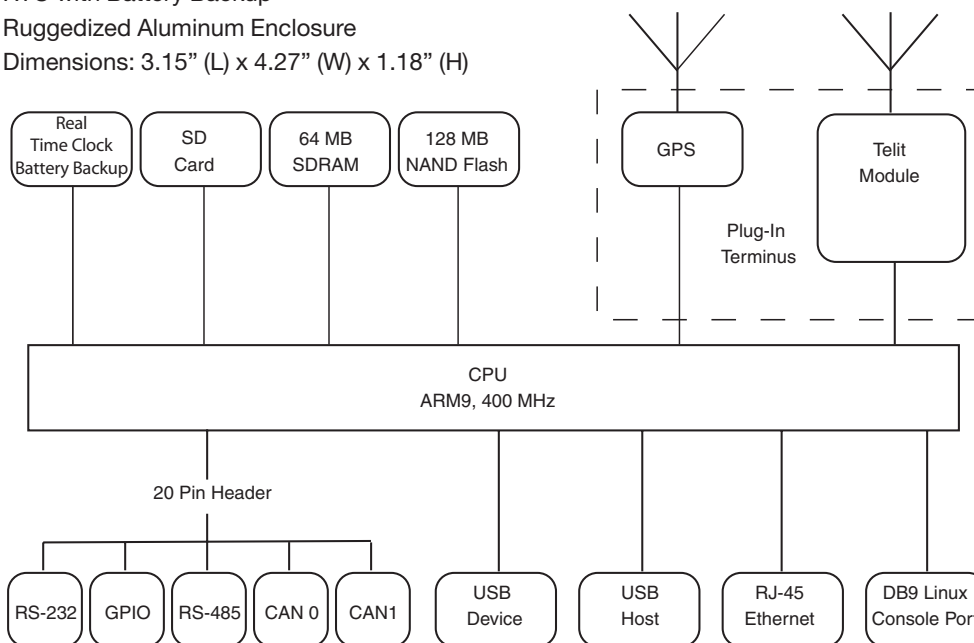
- ARM9™ Processor capable of running embedded Linux™
- 128 MB of NAND Flash
- 64 MB of SDRAM
- HSPA, LTE
- 802.3 Ethernet 10/100
- USB Host Port
- Externally exposed RS-232 and RS-485 ports
- CAN Interface (2 Channels)
- Embedded GPS (optional)
- Six Exposed GPIOs
- SD Card
- RTC with Battery Backup
- 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



Making machines talk.



400AP Block Diagram

2359 Diehl Road
Aurora, IL 60502
630.499.2121

info@janus-rc.com
www.janus-rc.com

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

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

Contact Sales for Additional Special Order Options

Dave Jahr: djahr@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



Division of The Connor-Winfield Corporation
2359 Diehl Road • Aurora, IL 60502
630.499.2121 • info@janus-rc.com
www.janus-rc.com

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