

JANUS[®] REMOTE COMMUNICATIONS

Terminus 400AP Series

Description

Introducing the Terminus GSM400AP, CDMA400AP and HSPA400AP open platform intelligent cellular terminals. Building on our highly successful Terminus line of M2M modules and terminals, the Terminus 400AP series products are complete wireless communication devices with integrated ARM9™ processors and expanded memory. They include serial, USB and Ethernet connectivity and voltage input range from 7 to 26 VDC. The Atmel ARM9™ architecture is capable of 400 MIPS and operates with Linux™ OS. The 400AP Series is the next evolution of M2M communications.



Features

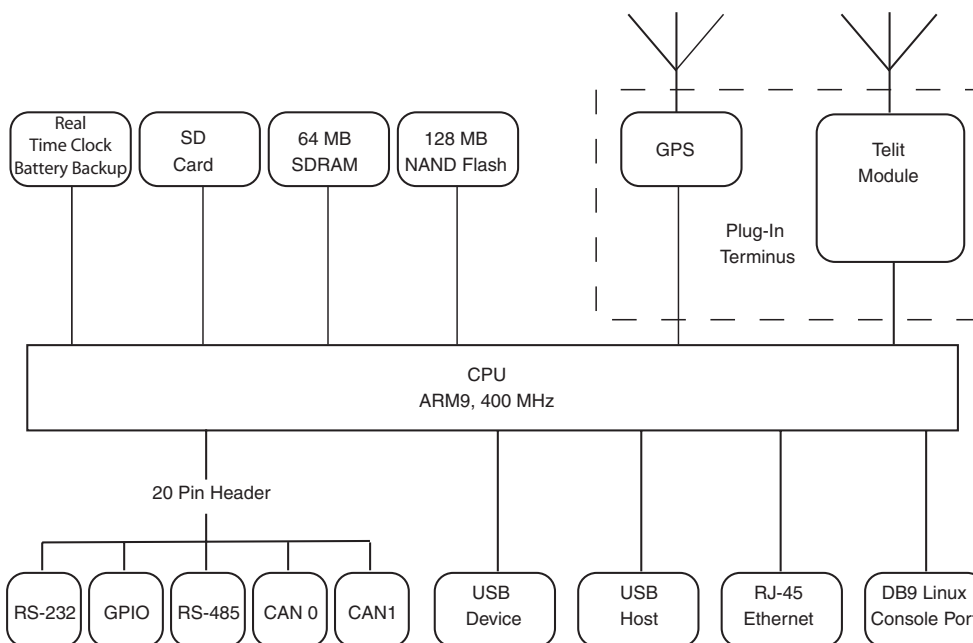
- ARM9™ Processor capable of running embedded Linux™
- 128 MB of NAND Flash
- 64 MB of SDRAM
- GSM, CDMA, HSPA
- 802.3 Ethernet 10/100
- USB Host Port
- Externally exposed RS-232 and RS-485 ports
- CAN Interface (2 Channels)
- Embedded GPS
- 4 Exposed GPIOs
- SD Card
- RTC with Battery Backup
- Ruggedized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



Terminus 400AP Block Diagram

2111 Comprehensive Drive
Aurora, Illinois 60505
630.499.2121
Fax: 630.851.5040
www.janus-rc.com

Bulletin **JA07-PB**
Revision **02**
Date **27 Aug 2012**

Terminus 400AP Series Module

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
GSM/CDMA/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

Ordering Information	Terminus Description
GSM400AP v1.1	GSM with GPS
GSM400AP v2.0	GSM without GPS
CDMA400AP v2.0	CDMA – Sprint Certified
CDMA400AP v3.0	CDMA – Verizon Certified
CDMA400AP v4.0	CDMA – Aeris Certified
HSPA400AP v1.0	HSPA+ / GSM-GPRS / EDGE / UMTS
EVDO400AP v3.0	EV-DO – Verizon

JANUS REMOTE
COMMUNICATIONS

Division of The Connor-Winfield Corporation
2111 Comprehensive Drive • Aurora, Illinois 60505
630.499.2121 • Fax: 630.851.5040

www.janus-rc.com

Janus Remote Communications Europe
Bay 143
Shannon Industrial Estate
Shannon, Co. Clare, Ireland
Phone: +353 61 475 666