

JANUS REMOTE COMMUNICATIONS

T2 Cellular Gateway Series Terminal Modem

Description

Our second generation Standard Terminus (T2) products are highly adaptable, cost-effective cellular terminals incorporating an embedded 32-bit Cortex M4™ 210MIPS processor with 1024KB Flash/192KB+4KB RAM.



The T2 offers standard serial and USB (OTG) connectivity, 4-20 mA current loops, an accelerometer, built in FPU, built in DSP, and an input power range of 7 -28 VDC. The T2's ability to configure 9 GPIO as CMOS I/O allows for a straight-forward creation of effective embedded applications. Additionally, Native USB OTG support in the Cortex processor allows for development of USB connectivity in applications.

Features

- Ryton Enclosure
- USB, RS-232 & RS-485 Connectivity
- Size: 2.6" x 3.75" x 1.2"
- Temp Range: -40°C to 65°C
- Input Voltage 7 to 28Vdc
- Two Canibus Lines

Applications

- Fleet management
- Teleservice
- Security systems
- Telematics
- Telemetry and telecontrol
- Remote monitoring systems
- Remote meter reading
- Vending machines
- POS Terminals

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Bulletin	JA15-PB
Revision	06
Date	10 May 2017



Making machines talk.

Specifications

Environmental

- Operating Temperature: -40°C to 65°C

Networks

- GSM/GPRS
- CDMA-1xRTT, EDGE, UMTS
- HSPA+, EV-DO
- LTE CAT3, CAT1, and CAT4
- Wi-Fi (802.11 b/g/n) wireless networks.

Physical Interfaces

- Connectors
 - RS-232 9-pin Sub D
 - DC Power 2.1mm barrel jack
 - GSM Antenna Jack (SMA)
 - GPS Antenna Jack (MCX)
- SIM Card
 - 1.8V/3.0V
 - Externally accessible

Enclosure

- Rugged ABS Plastic
- Flame retardant / UL94VO rated
- Size: 2.6" x 3.75" x 1.2" (66mm x 95.25mm x 30.84mm)
- Thru-case mountable with 2-#6 screws

AT Command Set

- Hayes standard AT command set
- Telit proprietary commands

Performance

- Operating Voltage: 7 to 28 VDC
- Data Interfaces
 - Direct access
 - TCP
 - UDP
 - SLIP
 - PPP (using direct access)
 - AT commands

Approvals – Certifications

- FCC
- CE
- Carrier

Python Application Resources

- Available on some versions

Processor Features

- 32-bit Cortex M4™ 210MIPS processor with 1024KB Flash/192KB+4KB RAM.
- A USB OTG full-speed with high-speed capability
- Memories
 - MAX 256K of Flash memory
 - 512 bytes of OTP memory
 - Up to 96 + 4 Kbytes of SRAM
- Clock, reset and supply management
- Low power: Sleep, Stop and Standby modes
- A/D converters
- D/A converters
- On Board Timers
 - Up to twelve 16-bit and two 32-bit timers, up to 120 MHz, each with up to 4 IC/OC/PWM or pulse counter and quadrature (incremental) encoder input
- 1 UARTs Modem Control
- 1 SPI
- SDIO
- USB 2.0 full-speed device/host/OTG controller with on-chip PHY

GPS Receiver

- Standard GPS
- gpsOne®
- NMEA Data
- GPS fix on demand
- Dedicated GPS antenna connection for optimal GPS performance with active antenna support

Ordering Information

CDMA910T2	V200
Cellular Terminal CDMA CDMA910T2 HSPA+ HSPA910T2 EV-DO EVD0910T2 LTE LTE910T2	Carrier Certified & Version CDMA V200 = Sprint V300 = Verizon HSPA+ GSM-GPRS, EDGE, UMTS V100 = AT&T w/GPS EV-DO V200 = Sprint V300 = Verizon LTE V100 = AT&T CAT3 V300 = Verizon CAT3 V600 = Verizon CAT1 V700 = AT&T CAT1

Example: Part Number – CDMA910T2V200 =
CDMA Intelligent Cellular Terminal; Sprint Certified;

Contact Sales for Additional Special Order Options

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Specifications subject to change without notice

See website for latest revision. Not intended for life support applications.