

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.

Network Compatibility

Cellular

- HSPA+
- LTE CAT1, CAT3, CAT4, and CAT-M1 coming soon

WLAN (Wireless Local Area Network)

- Wi-Fi (802.11 b/g/n)
- Bluetooth
- ZigBee

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 Canbus Lines

Applications

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

2359 Diehl Road
Aurora, IL 60502
630.499.2121
info@janus-rc.com
www.janus-rc.com



Specifications

Environmental

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

Networks

- LTE CAT1, CAT3, CAT4 and CAT-M1 (coming soon)
- 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

- Ryton
- Flame retardant / UL94 V-O 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

LTE910T2	V300
Terminal HSPA+ HSPA910T2 LTE LTE910T2 WLAN WBZ9113T2	Carrier Certified & Version HSPA+ V100 = AT&T w/GPS LTE V100 = AT&T CAT3 V300 = Verizon CAT3 V600 = Verizon CAT1 V700 = AT&T CAT1 WLAN V100 = Wi-Fi (802.11 b/g/n) Bluetooth, ZigBee

Example: Part Number – LTE910T2V300 =
LTE Intelligent Cellular Terminal; Verizon CAT3 Certified;

Contact Sales for Additional Special Order Options

Dave Jahr: djahr@janus-rc.com | 630-499-2121

Revision History

Revision	Date	Action
06	05/10/17	Revised text and ordering information
07	07/26/18	Update to Ordering information and Description