

# 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, CAT4, and CAT-M1 coming soon

### 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

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## Specifications

### Environmental

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

### Networks

- LTE CAT1, CAT4 and CAT-M1

### 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 (optional)

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

## Ordering Information

LTE910T2	V600
<b>Terminal</b> HSPA+ HSPA910T2  LTE LTE910T2	<b>Carrier Certified &amp; Version</b> 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

Example: Part Number – LTE910T2V600 =  
LTE Intelligent Cellular Terminal; Verizon CAT1 Certified;

### Contact Sales for Additional Special Order Options

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## Revision History

Revision	Date	Action
06	05/10/17	Revised text and ordering information
07	07/26/18	Update to Ordering information and Description
08	11/06/19	Removed CAT3 products
09	02/18/20	Removed WLAN and updated categories

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*Specifications subject to change without notice*  
See website for latest revision. Not intended for life support applications.