

# JANUS REMOTE COMMUNICATIONS

## Terminus T3 Series Terminal Gateway Modem

### Description

The Terminus T3 is a low cost cellular terminal housed in a compact, rugged aluminum enclosure. Powered by 5 Vdc and offering USB and Serial connectivity, the T3 allows for easy integration into any M2M/IoT application. Incorporating carrier certified Janus Plug-in Modems, the T3 provides a hardware solution with direct access to the cellular network of your choice: HSPA or LTE (CAT1, CAT3, CAT4, and CAT-M1 coming soon). External connectors allow the customer to choose the precise antenna for their application needs.

The T3 was specifically designed to provide customers with a low cost method of globally retrieving critical data from remote equipment and applications.

### Applications

All remote equipment and application monitoring solutions

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



### Features

- Utilizes Socket Modem devices to allow multiple technologies.
  - HSPA+ Penta-Band
  - LTE
- Rugged aluminum enclosure with mounting slots
- Dimensions: 5.2142”x 2.350” x 1.81”
- Operating Temperature Range : -40°C to 85°C
- Operating Voltage: 5.0 VDC
- Average Current Consumption: TBD
- User Interfaces
  - RS-232 9-pin Sub D
  - USB B Female
  - 2.5mm Pitch shrouded header:
    - P/N OSTOQ041251
    - \* 2 Position Power
    - \* 2 Position External ON/OFF Input
  - Cellular Antenna (SMA)
  - Cellular Rx Diversity (SMA)
  - GPS Antenna (MCX)

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## Specifications

### Environmental

- Operating Temperature: -40°C to 85°C

### Physical Interfaces

- Connectors
  - RS-232 9-pin Sub D
  - 4 Position 2.5mm Shrouded Header
  - GSM Antenna Jack (SMA)
  - Cellular Rx Diversity (SMA)
  - GPS Antenna Jack (MCX)

### Enclosure

- Rugged Aluminum
- 5.214" x 2.35" x 1.811"
- Mountable with 2-#6 screws

### Performance

- Operating Voltage:
  - 4.75 to 5.25VDC
- Data Interfaces
  - Direct access
  - TCP
  - UDP
  - SLIP
  - PPP (using direct access)
  - AT commands

### AT Command Set

- Hayes standard AT command set
- Telit proprietary commands

### Approvals – Certifications

- N/A

### Python Application Resources

- Available on some versions

### 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

LTE910T3	V200	T	A	G	F	N
<b>Cellular Terminal</b> HSPA+ HSPA910T3  LTE LTE910T3	<b>Carrier Certified &amp; Version</b> HSPA+ GSM-GPRS, EDGE, UMTS V100 = AT&T w/GPS  LTE V100 = AT&T CAT3 V300 = Verizon CAT3 V600 = Verizon CAT1 V700 = AT&T CAT1	<b>Modem Provider</b> T = Telit	<b>Firmware</b> A = Standard	<b>Connector</b> G for GSC U for UFL	<b>Voltage</b> F = Fixed V = Variable  <i>Note 1</i>	<b>Config Options</b> N = No Config P = Positioning A = Activation S = SIM  <i>Note 2</i>

Example: Part Number – LTE910T3V100TAGFN =  
 LTE Intelligent Cellular Terminal; AT&T CAT3 Certified; Telit Modem; Standard Firmware with a GSC Connector with a Fixed Voltage with no configuration options.

**Contact Sales for Additional Special Order Options**  
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#### Notes:

- The original Plug-In products have a fixed interface voltage of 2.85 V. The UART, TRACE, PWRMON, and GPIO pins 3-7 operate at an I/O interface level of 2.85 V. The DC bias on the GPS antenna is 2.85 V, and Vaux (pin 48) provides a 2.85 V source of up to 100mA when the cellular radio is enabled, e.g. when PWRMON is high. The new version allows the option of a variable (user specified) interface voltage. The former USB\_ID pin 30 is now designated as VL\_IN and serves as a reference to set the interface voltage. If this pin is left unconnected, the modules will behave the same as the original version and maintain the 2.85 V levels on the affected signals. If the user applies a voltage level to the VL\_IN pin between 1.8 V and 5.0 V, then the affected signals will operate at that VL\_IN voltage level. If an original 910CF board is used in a circuit design that supports the new VL\_IN pin by applying a voltage to that pin, it will still operate at 2.85 V levels. If a new version board is used in a circuit designed to support the original board, it will behave identically to the original board with 2.85 V levels as long as there are no connections made to pin 30. If external circuitry is connected to pin 30, contact Janus to evaluate the design.
- 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

## Revision History

Revision	Revision Date	Note
A00	11/18/2014	Advanced T3 Product Brief
A01	07/13/2015	Updates to Specs and Ordering Information
00	05/25/2017	Updates to Ordering Information
01	07/26/2018	Updates to Description and Ordering Information

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