PRODUCT BRIEF

JANUS REMOTE COMMUNICATIONS

Terminus T3 Series
Terminal 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: GSM/GPRS, EDGE, UMTS, HSPA, EVDO, or LTE. 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 the Common Footprint devices to allow multiple technologies.
  - CDMA 1xRTT
  - EVDO (fallback to 1xRTT)
  - HSPA Penta-Band
    GSM/GPRS, EDGE, UMTS, HSPA+
  - 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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Bulletin	JA19-PB
Revision	00
Date	25 May 2017

Telit is in it.

Making machines talk.

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 Deiversity (SMA)
  - GPS Antenna Jack (MCX)

Enclosure

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

AT Command Set

- Hayes standard AT command set
- Telit proprietary commands

Performance

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

CDMA910T3	V200	T	A	G	F	N
Cellular Terminal **CDMA** CDMA910T2 **HSPA+** HSPA910T2 **EV-DO** EVDO910T2 **LTE** LTE910T2	**Carrier Certified & Version** **CDMA** V200 = Sprint V300 = Verizon V400 = Aeris **HSPA+** **GSM-GPRS, EDGE, UMTS** V100 = AT&T w/GPS V101 = AT&T w/GPS New Firmware V200 = AT&T w/o GPS **EV-DO** V200 = Sprint V300 = Verizon V400 = Aeris **LTE** V100 = AT&T V300 = Verizon	**Modem Provider** T = Telit	**Firmware** A = Standard	**Connector** G for GSC U for UFL	**Voltage** F = Fixed V = Variable *Note 1*	**Config Options** N = No Config P = Positioning A = Activation S = SIM *Note 2*

Example: Part Number – **CDMA910T3V200TAGFN** =
CDMA Intelligent Cellular Terminal; Sprint 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:

1. *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 a 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.
2. ***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*

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