WondeX VT300

Hardware Quick Installation Guide

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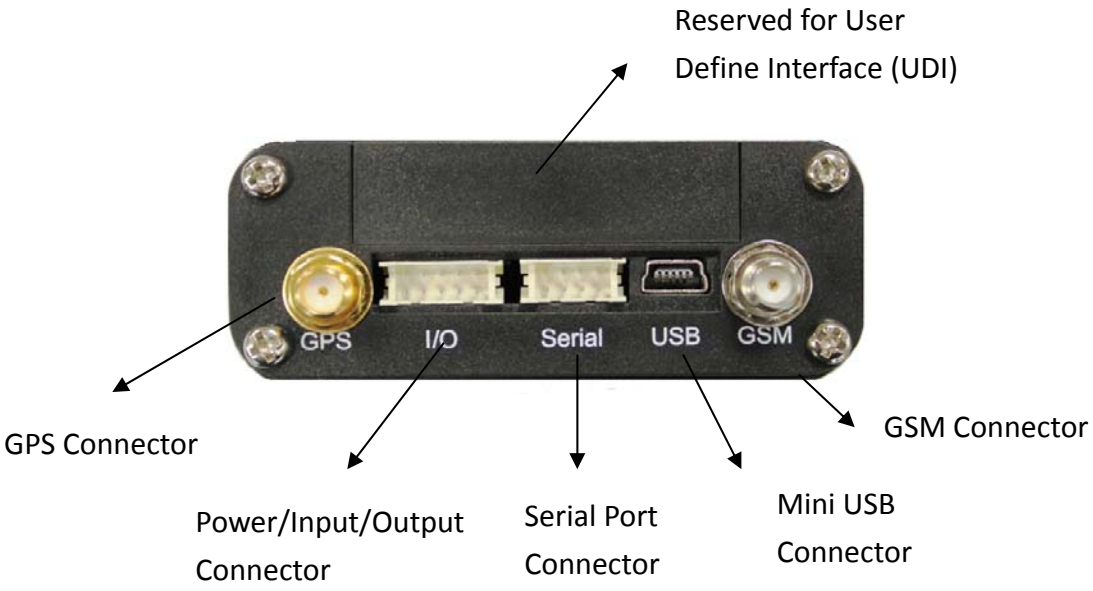
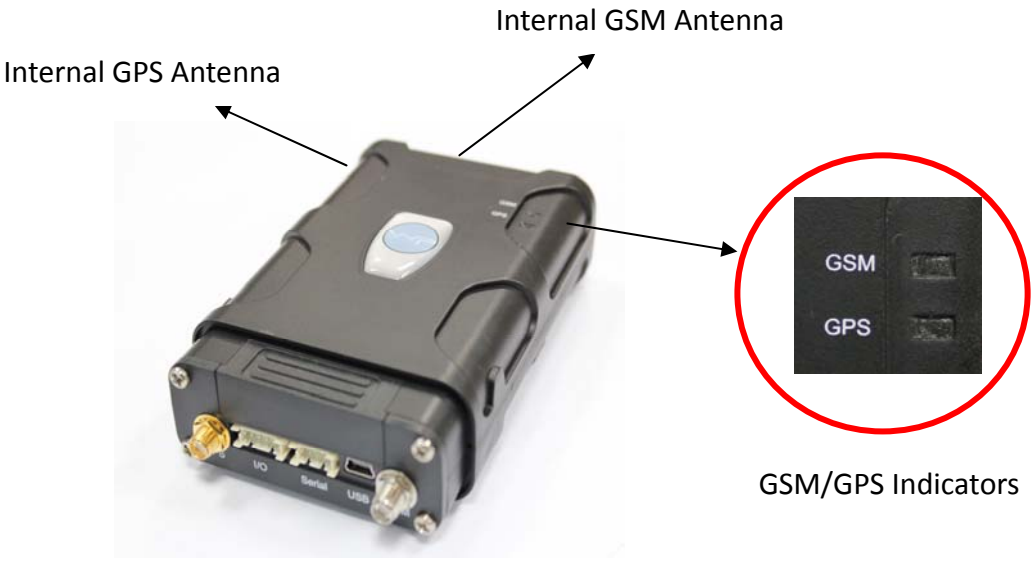
1. Introduction to WondeX VT300 Hardware

1.1 Connector Panel

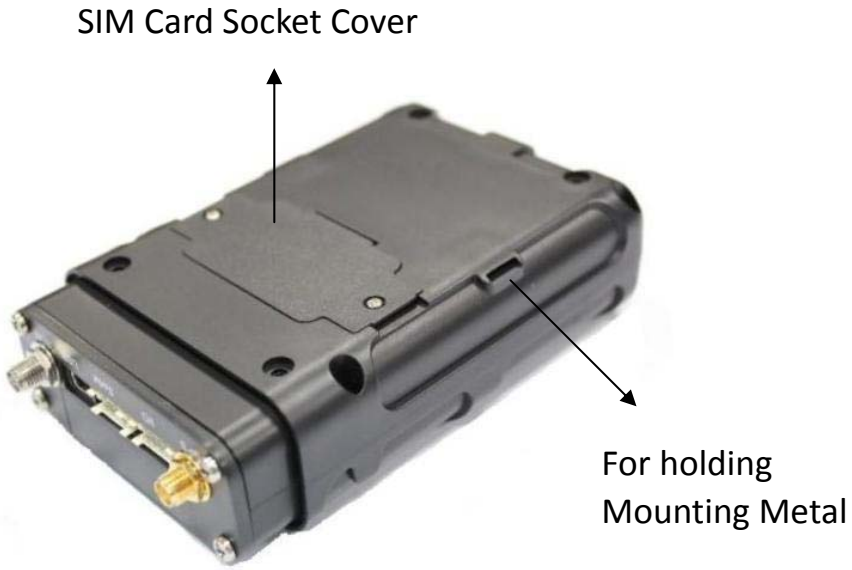


1.2 Top View

There are GSM and GPS indicators to show GSM, GPRS, and GPS status. Please refer to the section the blinking behavior



1.3 Bottom View

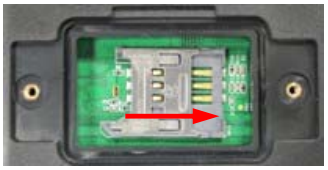


2. Insert the SIM Card

Please follow the steps below to insert the SIM card correctly.

a. Unscrew the “SIM Card Socket Cover” on the button of the device and pull out the cover.

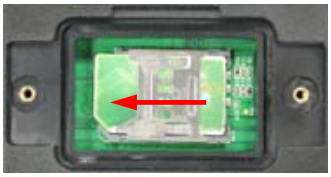
b. Unlock the SIM card cover by sliding it toward the “OPEN” direction.



Open Direction

c. Place the SIM card into the SIM card socket as following:

d. Lock the SIM card cover by sliding it toward the “LOCK” direction.



Lock Direction

e. Screw the “SIM Card Socket Cover” back on the button of the device..

3. Wire/Cable Installation

3.1 Power/Input/Output Ports

This connector includes power, positive/negative digital inputs, and negative digital outputs. The pin assignment is following:

Pin Assignment/ Specifications

PIN.	Definition	Corresponding Cable color	Description/Specification
1	Power	(Red)	DC 0~30V
2	Ground	(Black)	
3	Input 1 (Positive)	(white)	Only one of the below functions can be used at one time: 1. Digital input: Positive triggered (above 5V as the trigger condition) 2. Analog input: to detect voltage 0~30V. ** Used for activating/deactivating PSM mode
4	Input 2 (Positive)	(Gray)	Only one of the below functions can be used at one time: 1. Digital input: Positive triggered (above 5V as the trigger condition) 2. Analog input: to detect voltage 0~30V.
5	Input 3 (Negative)	(Green)	Negative triggered (below 0.8V)
6	Input 4 (Negative)	(Purple)	Negative triggered (below 0.8V)
7	Output 1 (Negative)	(Yellow)	Negative triggered (Io=160mA, Ipeak: 320mA)
8	Output 2 (Negative)	(Orange)	Negative triggered (Io=160mA, Ipeak: 320mA)
9	Output 3 (Negative)	(Brown)	Negative triggered (Io=160mA, Ipeak: 320mA)
10	Output 4 (Negative)	(Blue)	Negative triggered (Io=160mA, Ipeak: 320mA)

Corresponding physically scheme of the Power/Input/Output connector

I/O

3.2 GSM Antenna

Support both built-in and external GSM antennas.

- **Using External GSM Antenna**

  Please connect the GSM antenna to the SMA connector with “GSM” text labeled.

- **Using Internal GSM Antenna**

  If external GSM antenna is not connected, the unit will use the internal GSM antenna automatically.

  Note

  If external GSM antenna is disconnected, the unit will switch to internal GSM antenna automatically.

3.3 GPS Antenna

Support both built-in and external GPS antennas.

- **Using External GPS Antenna**

  Please connect the GPS antenna to the SMA connector with “GPS” text labeled.

- **Using Internal GPS Antenna**

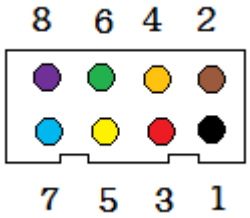
  If external GPS antenna is not connected, the unit will use the internal GPS antenna automatically.

  Note

  If external GPS antenna is disconnected, the unit will switch to internal GPS antenna automatically.

3.4 Serial Port

Serial port can be used for different purpose. Thus, it might need different cables; we have provided the PIN assignment and definition as below for reference:



Serial

PIN	Corresponding Cable color	Description
1	(Brown)	TX
2	(Black)	RX
3	(Orange)	MIC +
4	(Red)	MIC -
5	(Green)	SPK +
6	(Yellow)	SPK -
7	(Purple)	+5V
8	(Blue)	Ground

3.5 USB Port

USB Cable can be used for the unit configuration. All inputs and output ports might not be working properly if the main power is **NOT** connected.

4. Mounting the Device

Please bind the holding metal pieces to two sites of the device body. Then use screws to fix the device in a flat place. Please refer to the following:

5. LED Indicators

Indicators	Blinking Behavior	Status
GSM (Red)	0.6 second on/ 0.6 second off	Not Ready or Searching GSM signal
	100ms on / 3 seconds off	Registered to GSM network successfully
	100ms on twice / 2.5 seconds off	GPRS is ready (Server connection is established)
GPS (Green)	1 second on / 1 seconds off	GPS not fixed
	Solid on	GPS fixed

6. About Wonde Proud Technology

WondeX VT series device is manufactured by Wonde Proud Technology. Wonde Proud Technology provides advance solution for GPS related solutions including the various GPS components, Automatic Vehicle Location (AVL) device (data logger & real time tracking devices). Please contact us at the phone and fax number list below or visit our website for further product information.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Wonde Proud Technology

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