🌿 Manuals+

☰

Contents [hide]

RENU WP6101TN Plus Web Panel

Product Code

WP6 101 TN Plus

Series ←
Display Size ←
Supports Ethernet ←

INTRODUCTION

The WP6 Plus is a ThinClient with an inbuilt browser, which connects to a remote Web server on its network. All WP6 devices are compliant with EMC directive 2014/30/EU and LVD directive 2014/35/EU and certified for UL Class I Div. 2.

SPECIFICATIONS

Power	24VDC (+20%), 350mA , 8.5W
Display	1024 x 600pixels , 10.1″ Color TFT, WSVGA Web Panel Analog Resistive Touch Screen

Memory	eMMC: 4GB RAM: 1GB
USB Ports	1 USB Slave and USB Host
Ethernet	1 Ethernet Port
Panel Cutout	256.00(W) x 178.00(H)mm
Dimensions	268.00(W) x 190.00(H) x 33.00(D)mm
Weight	Approx. 900gm
LED	1
Environment & Approvals	
Operating Temperature	0 to 50°C
Storage Temperature	-30 to 85°C
Humidity	10 to 90% (Noncondensing)
Shock	IEC 60068-2-27 25g, 11ms, 6 shocks per axis, total 18 shocks (X, Y, Z)
Vibration	IEC 60068-2-6 5 to 150Hz, 3g peak (X, Y, Z)

| EMC	EN 55011 : 2009/A1 :2010
	EN 61131-2 : 2007
	EN 61000-6-2 : 2005/AC : 2005
	EN 61000-6-4: 2007/A1: 2011
Protection	Front panel-IP66, Rare panel-IP20
Approvals	CE, UL,REACH ,UKCA & RoHS compliant

Default Product Settings

Network Settings	DHCP
Brightness	Full Scale
Screen Touch Beeper	On
Default Language	English

PRODUCT DIMENSIONS
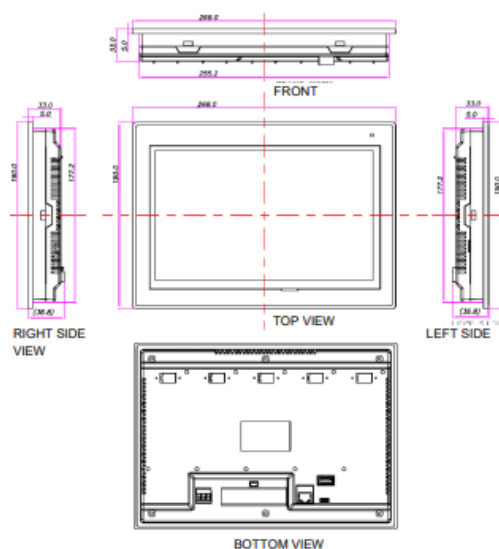
PANEL CUTOUT DIMENSIONS

- Panel Cutout Dimensions: 256.00 (W) x 178.00(H)mm
- Panel Thickness: Maximum 6mm
- Mounting Clamps: 6
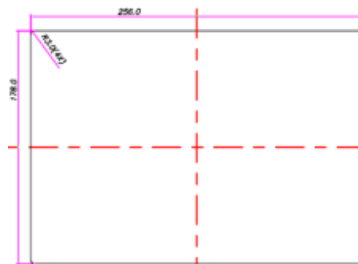
Tighten the mounting screws evenly to a torque between 0.4N/m to maintain water and dust resistance.

COMMUNICATION

- This section provides information regarding communication interfaces supported by this product.

RJ45/Ethernet Port

- Th e WP6 Plus series devices come with an in-built RJ45/Ethernet port. The RJ45 port is a shielded female jack with link and activity LEDs.

Pin number	Signal
1	TX+
2	TX-
3	RX+
4	NC
5	NC
6	RX-

7	NC
8	NC

USB Slave Port (2.0)

- The WP6 Plus comes with a Type C USB device port.

USB Host Port

- The WP6 Plus devices support one USB Host port that connects to a USB 2.0 compatible USB Flash drive.
- This port can be used to upgrade the firmware and the browser.

Pin number	Signal
1	VCC
2	D-
3	D+
4	GND

GETTING STARTED

To use the WP6 Plus as a browser, follow these steps to connect the device to a Webserver. The Password for configuring the device is admin@123. [Note: For configuring new Password it must be at least 7 or more charterers with 1 capital letter (0-9, a-z, A-Z)]

1. Connect an Ethernet cable to the device.
2. Power up the device using 24VDC power supply by connecting it to the device's pluggable terminal block.
3. If the browser or the firmware needs to be updated, connect a USB flash drive to the device.

MAIN SETTINGS

Settings	Description
	Device Settings button. Settings for Network, Calibration, Password and Brightness can be accessed using this button.
http://	URLs Settings button.
(i)	Device Information button.

Earthing

The optimum method for Earthing electronic equipment is to earth it separately from other high-power systems and to earth more than one unit of electronic equipment with a single-point earth. The Earthing marked terminal (see below) is provided on the unit.

DC+   DC-   Earth
24Vdc
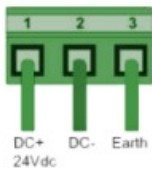
[Note: Do not use an earth that has an unstable impedance, such as painted screws or an earth subject to vibration.]

UL APPROVAL
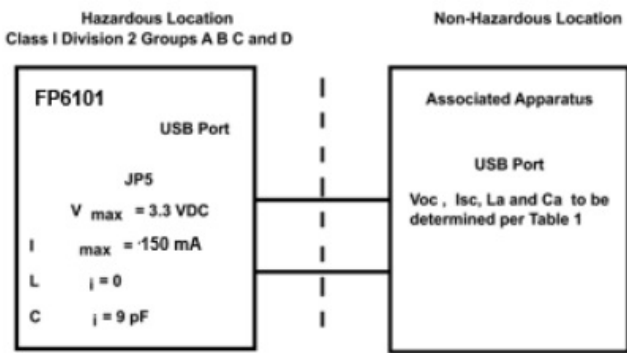
CONTROL DRAWING NO# CNTL/DWG/FP6101/0218 VER.N O.: 1.00

Hazardous Location
Class I Division 2 Groups A B C and D

Non-Hazardous Location

FP6101
USB Port
JP5
$V_{max} = 3.3\ VDC$
$I_{max} = 150\ mA$
$L_i = 0$
$C_i = 9\ pF$

Associated Apparatus
USB Port
Voc , Isc, La and Ca to be determined per Table 1

TABLE 1:

Nonincendive. Equipment		Associated Apparatus
V max (or Ui)	≥	Voc or Vt (or Uo)
I max (or Ii)	≥	Isc or It (or Io)
Ci + Ccable	≤	Ca (or Co)
Li + Lcable	≤	La (or Lo)

Capacitance and inductance of the field wiring from the nonincendive equipment to the

associated apparatus shall be calculated and must be included in the system calculations as shown in Table 1.| Whore the cable capacitance and inductance one foot are not known. the following values shall be used: Ccable = 60 pF/ft., Lcabie = 0.2 pH/T.

WARNINGS

- This equipment is suitable for use in Class I, Division 2, Groups A, B, C and D or non-hazardous locations only.
- WARNING – EXPLOSION HAZARD – Do not disconnect equipment unless power has been removed or the area is known to be non-hazardous.
- WARNING – EXPLOSION HAZARD – Substitution of components may impair suitability for Class I, Division 2.
- The list of materials used in the construction of these devices with name of sealed device, the generic name of the material and the supplier's name and type designation.
- It is recommended that the user periodically inspect the sealed devices used, for any degradation of properties and replace the device if any degradation is found.

REVISION HISTORY

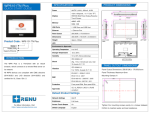| Rev.	Description	Date
1.4	Specification details updated	09/06/2025
1.3	Specification details updated	23/04/2024
1.2	Renu Logo updated	19/05/2023
1.1	Added password information	14/10/2021
1.0	First Draft	11/06/2021

Renu Electronics Pvt. Ltd® reserves the right to change or discontinue specifications and features without prior notice. To view the latest and updated datasheets/manuals please visit www.renuelectronics.com.

Frequently Asked Questions

1. What is the default password for configuring the device?

The default password for configuring the device is admin@123. For a new password, it must be at least 7 characters long with at least 1 capital letter.

Documents / Resources

	[RENU WP6101TN Plus Web Panel](#) [[pdf](#)] User Guide WP6 101 TN Plus, WP6101TN Plus Web Panel, WP6101TN Plus, Web Panel, Panel

References

- [User Manual](#)

🏷 Panel, renu, Web Panel, WP6 101 TN Plus, WP6101TN Plus, WP6101TN Plus Web
📁 renu   Panel

Leave a comment

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

Manuals+ | Upload | Deep Search | Privacy Policy | @manuals.plus | YouTube