

PANL PD35L Display Quick Start Guide



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STICKER AREA



Product Features



PD35L Display

- 1 3.5" TFT LCD Display**
- 2 RGB LED Strip Light** – Refer to the application user guide for colour code details
- 3 Function Button** – Refer to application user guide for function details
- 4 Power Indicator**
- 5 Micro-USB Power Connector**
- 6 Buzzer**

Product Specifications

Specifications		
PLATFORM	Microcontroller	32-bit RISC MCU
	Graphic Controller	FT813Q
	Display Size	3.5 inch TFT LCD
DISPLAY	Number of Pixels	320 (RGB) x 240
	Active Display Area	70.08 (H) x 52.56 (V) mm
	Light Intensity (Brightness)	540 cd/m ²
	Display Colour	16.7M colors
	Viewing Angles	60°
	FEATURES	Wi-Fi
Sound Alert		Buzzer
Function Button		Multiple Function
Power Indicator		Green LED
Status Indicator		RGB LEDs
Input Voltage		5 VDC/1.0A
POWER PARAMETER	DC connector	Micro USB type B
	Color	Cool Grey
PHYSICAL CHARACTERISTICS	Housing	PC
	Dimensions	85 x 67.80 x 70.05 mm
	Weight	109g
	Operating Temperature	0 to 55°C
ENVIRONMENTAL LIMITS	Storage Temperature	0 to 70°C
	Ambient Relative Humidity	20 to 85% (non-condensing)
	STANDARDS & CERTIFICATIONS	EMC (FCC/CE)
CISPR 32:2015+C1: 2016 Class B		
EN 55035:2017		
Radio Equipment Directive (RED)		EN 301 489-1 V2.2.0
		EN 301 489-17 V3.2.0
Safety (LVD)		IEC 62368-1:2014
	EN 62368-1:2014 +A11:2017	
RF (FCC/CE)	EN 300 330 V2.1.1	
	EN 62311:2008	
	FCC PART 15, Subpart C (15.225)	
PACKAGE CONTENTS	Devices	1x PanL35L
		1x 5W USB-B Power Adapter
		1x USB Charge Cable (1.2 meter)
		2X Double Sided Adhesive Tapes for Rubber Foot
Documentation	1x Quick Start Guide	

Display Setup

- Identify a flat surface to place PD35L display where the bottom RGB LED strip light has a good 180 degrees visibility to users. Ensure that it is placed within Wi-Fi range and power socket is within reach.
- Power up PD35L with the Micro-USB cable and power adaptor provided. A longer micro-USB cable can be used in the event that the cable supplied is not sufficient.
- The RGB LED will be blinking blue upon power up and will change to white when Wi-Fi is ready to connect. If the RGB LED is blinking red, please refer to application user guide for troubleshooting tips.
- Please refer to application user guide for configuration setup, complete RGB LED strip light information and application details.
- (Optional) Once configuration is done and the cables are neatly placed, peel of the adhesive tapes provided and secure display.

What's in the Box?

The package includes a PD35L Display, a micro-USB cable and a country specific 5W 5VDC power adaptor with two adhesive tapes.



Micro-USB cable



5VDC Power Adaptor

Wifi Module

The built-in 2.4GHz Wi-Fi module consist of WLAN baseband processor and RF transceiver supporting IEEE 802.11 b/g/n standards. It supports data rates of up to 150 Mbps and 20dBm output power to ensure the widest coverage.

Module Brand Name	Espressif Systems
Module Model	ESP32-WROOM-32D
Module FCC ID	2AC7Z-ESPWROOM32D

FCC Statements

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a building installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) 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. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.