GeeekPi EP-0185

GeeekPi 10.1 inch Capacitive Touch Screen User Manual

Model: EP-0185

1. Introduction

This manual provides instructions for setting up and operating your GeeekPi 10.1 inch Capacitive Touch Screen, Model EP-0185. This display is designed for use with Raspberry Pi models 3B, 3B+, 4B, and 5, offering a high-definition IPS panel with touch functionality and integrated dual speakers. Please read this manual thoroughly before use to ensure proper installation and operation.

2. Package Contents

Verify that all items listed below are included in your package:

- 1x 10.1-inch Capacitive Touch Screen
- 4x Converter Connectors (for various Raspberry Pi models)
- 1x Armor Lite V5 Cooler (for Raspberry Pi 5)
- 1x 27W USB-C Power Adapter
- 4x Aluminum Heat Sinks (for Raspberry Pi 4)
- 2x Plastic Stands
- 2x Rubber Feet
- 1x USB to USB-C Cable
- 1x Full-size HDMI Cable

3. Key Features

- **Wide Compatibility:** Supports Raspberry Pi models 3B, 3B+, 4B, and 5.
- **Integrated Mounting:** Features a dedicated mounting hole for direct attachment of your Raspberry Pi to the display's rear.
- **Capacitive Touch:** Provides smooth and responsive touch input for intuitive interaction.
- **Vivid IPS Display:** Offers a 1024x600 HD resolution with wide 178-degree viewing angles and vibrant colors.

- **Dual Speakers:** Built-in stereo speakers deliver clear audio for multimedia applications.
- **Convenient Controls:** Includes a rocker switch for easy adjustment of volume and brightness.
- **On-Screen Display (OSD):** Access intuitive menus to fine-tune display settings such as contrast, color temperature, and input source.

4. Setup Instructions

Follow these steps to set up your GeeekPi 10.1 inch Capacitive Touch Screen with your Raspberry Pi.

4.1 Attaching the Stands

Secure the two plastic stands to the bottom of the display using the provided long screws. Ensure they are firmly attached for stability.

Image: Step 1 shows attaching the ABS plastic stands to the display using long screws.

4.2 Installing Heat Sinks (for Raspberry Pi 4/5)

If using a Raspberry Pi 4, apply the aluminum heat sinks to the appropriate chips. For Raspberry Pi 5, install the Armor Lite V5 cooler. Peel off the protective film from thermal pads before application.

Image: Steps 2 and 3 illustrate applying thermal pads and installing the Armor Lite V5 heatsink on a Raspberry Pi 5.

4.3 Mounting the Raspberry Pi

Carefully align your Raspberry Pi with the mounting holes on the back of the display. For Raspberry Pi 5, ensure the pogo pin aligns correctly with the soldering point of the GPIO. Secure the Raspberry Pi using the provided hardware.

Image: Step 5 shows how to fix the Raspberry Pi 5 to the screen's back, highlighting the pogo pin alignment.

4.4 Connecting the Display and Touch

Use the appropriate converter connector for your Raspberry Pi model. Connect the USB-H (USB 3.0) connector to the screen's PCB board and the HDMI-H connector to the Raspberry Pi's microHDMI port. For touch functionality, connect the USB to USB-C cable from the screen's touch signal connector (USB converter) to a USB port on your Raspberry Pi.

Image: Various converter connectors for Raspberry Pi models 5, 4B, 3B, and 3B+.

Image: Step 6 demonstrates connecting the USB converter to the screen's PCB and the HDMI cable to the Raspberry Pi.

4.5 Power Connection

Connect the provided 27W USB-C power adapter to the display's Power-IN port. Ensure the power adapter is plugged into a suitable power outlet.

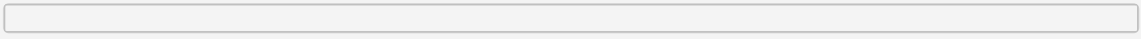


Image: The back panel of the display with labeled ports for easy connector accessibility.

5. Operating Instructions

5.1 Power On/Off

Once all connections are made and power is supplied, the display should automatically power on. Use the On/Off switch located on the side of the display to manually power it on or off.

5.2 Adjusting Volume and Brightness

The display features a rocker switch on the right side. This switch allows you to conveniently adjust both the volume of the built-in speakers and the screen's brightness. Move the switch up or down to increase or decrease the respective settings.

5.3 On-Screen Display (OSD) Menu

Access the OSD menu to customize various display settings. This menu allows you to adjust parameters such as contrast, color temperature, and input source. Refer to the on-screen prompts for navigation within the OSD menu.

5.4 Touch Screen Functionality

The display features a capacitive touch screen. Ensure the USB touch signal cable is connected to your Raspberry Pi for touch input to function. The touch screen is responsive and supports multi-touch gestures, depending on the operating system and software used on your Raspberry Pi.

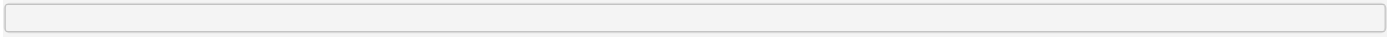


Image: The display in use, demonstrating touch interaction and the stereo sound effect from the dual speakers.

6. Maintenance

To ensure the longevity and optimal performance of your display, follow these maintenance guidelines:

- **Cleaning:** Use a soft, lint-free cloth to clean the screen surface. For stubborn marks, lightly dampen the cloth with water or a screen-safe cleaning solution. Avoid harsh chemicals or abrasive materials.
- **Handling:** Handle the display with care. Avoid dropping it or subjecting it to strong impacts.
- **Storage:** When not in use for extended periods, store the display in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Ventilation:** Ensure proper ventilation around the display, especially when a Raspberry Pi is mounted, to prevent overheating.

7. Troubleshooting

If you encounter issues with your GeeekPi 10.1 inch Capacitive Touch Screen, refer to the following common problems and solutions:

- **No Display:**
  - Ensure the HDMI cable is securely connected to both the display and the Raspberry Pi.
  - Verify that the display is receiving power from the USB-C power adapter.
  - Check if the Raspberry Pi is powered on and functioning correctly.
  - Try a different HDMI cable or port if available.
- **No Touch Functionality:**
  - Confirm that the USB to USB-C cable for touch signal is properly connected between the display and the Raspberry Pi.
  - Ensure your Raspberry Pi's operating system is configured to recognize touch input. This may require specific driver installation or configuration depending on your OS.
- **No Sound from Speakers:**

- Check the volume level using the rocker switch on the display.
- Verify that the audio output is correctly configured on your Raspberry Pi to send sound via HDMI.
- Ensure the speakers are properly connected to the display's board.

- **Screen Flickering or Distorted Image:**
  - Check the HDMI cable for damage or loose connections.
  - Ensure the power supply is stable and sufficient.
  - Adjust display settings via the OSD menu, such as resolution or refresh rate, to match your Raspberry Pi's output.

8. Specifications

Technical specifications for the GeeekPi 10.1 inch Capacitive Touch Screen (Model EP-0185):

Feature	Specification
Model Number	EP-0185
Screen Size	10.1 Inches
Resolution	1024 x 600 (HD)
Display Technology	IPS LCD
Aspect Ratio	16:9
Refresh Rate	60 Hz
Response Time	3 milliseconds
Brightness	500 cd/m²
Viewing Angle	178 Degrees
Special Features	Energy efficient, Portable, Touch screen
Compatible Devices	Raspberry Pi 3B, 3B+, 4B, 5
Connectivity	HDMI, 3.5mm Audio
Power Input	5 Volts (DC)
Dimensions (P x L x H)	23.3 x 14.2 x 0.9 cm

For detailed energy information, please refer to the EPREL database:https://eprel.ec.europa.eu/qr/2095700

Produktdatenblatt

DELEGIERTE VERORDNUNG (EU) 2019/2013 DER KOMMISSION zur Energieverbrauchskennzeichnung von elektronischen Displays

	Parameter	Parameter oder Wert und Genauigkeit			Einheit
1.	Name oder Warenzeichen des Lieferanten	GeeekPi			
	Anschrift des Lieferanten	ENIFPEGASUSSRL, MIHAI, Bloc 42, Scara 1, Etaj 5, Apartament 29, 22882 Bucuresti Sectorul 2, Romania			
2.	Modellkennung	EP-0185			
3.	Energieeffizienzklasse bei Standard-Dynamikumfang (SDR)	E			
4.	Leistungsaufnahme im Ein-Zustand bei SDR			5,0	W
5.	Energieeffizienzklasse bei hohem Dynamikumfang (HDR)	Nicht zutreffend			
6.	Leistungsaufnahme im Ein-Zustand bei hohem Dynamikumfang (HDR), falls vorhanden			Nicht zutreffend	W
7.	Leistungsaufnahme im Aus-Zustand, falls zutreffend			0,0	W
8.	Leistungsaufnahme im Bereitschaftszustand, falls zutreffend			0,1	W
9.	Leistungsaufnahme im vernetzten Bereitschaftsbetrieb, falls zutreffend			Nicht zutreffend	W
10.	Art des elektronischen Displays			Monitor	
11.	Seitenverhältnis	16	:	9	
12.	Bildschirmauflösung	1 024	x	600	pixels
13.	Bildschirmdiagonale			25,7	cm
14.	Bildschirmdiagonale			10	Zoll
15.	Sichtbare Bildschirmfläche			3,3	dm^2
16.	Verwendete Panel-Technologie			LED LCD	
17.	Automatische Helligkeitsregelung (ABC) vorhanden			Nein	
18.	Spracherkennungssensor vorhanden			Nein	
19.	Anwesenheitssensor vorhanden			Nein	
20.	Bildwiederholfrequenz (Standard)			60	Hz
21.	Mindestens garantierte Software- und Firmware-Aktualisierungen (ab dem Datum der Beendigung des Inverkehrbringens)			-	Jahre
22.	Mindestens garantierte Verfügbarkeit von Ersatzteilen (ab dem Datum der Beendigung des Inverkehrbringens)			-	Jahre
23.	Mindestens garantierte Produktunterstützung			-	Jahre
	Mindestlaufzeit der vom Lieferanten angebotenen allgemeinen Garantie			-	Jahre
24.	Art der Stromversorgung (Netzteil)	Intern			
25.	Externes Netzteil (nicht genormt, in der Verkaufsverpackung enthalten)				

	i	-		
	ii	Eingangsspannung	-	V
	iii	Ausgangsspannung	-	V
26.	Genormtes externes Netzteil (oder geeignetes Netzteil, falls nicht in der Verkaufsverpackung enthalten)			
	i	-		
	ii	Benötigte Ausgangsspannung	-	V
	iii	Benötigte (Mindest-)Stromstärke	-	A
	iv	Benötigte Stromfrequenz	-	Hz

Das Modell wurde auf dem Unionsmarkt in Verkehr gebracht , und zwar ab dem 01

EPREL-Eintragungsnummer 2095700 https://eprel.ec.europa.eu/qr/2095700

Lieferant: ENIF PEGASUS S.R.L. (Bevollmächtigter) **Website:**

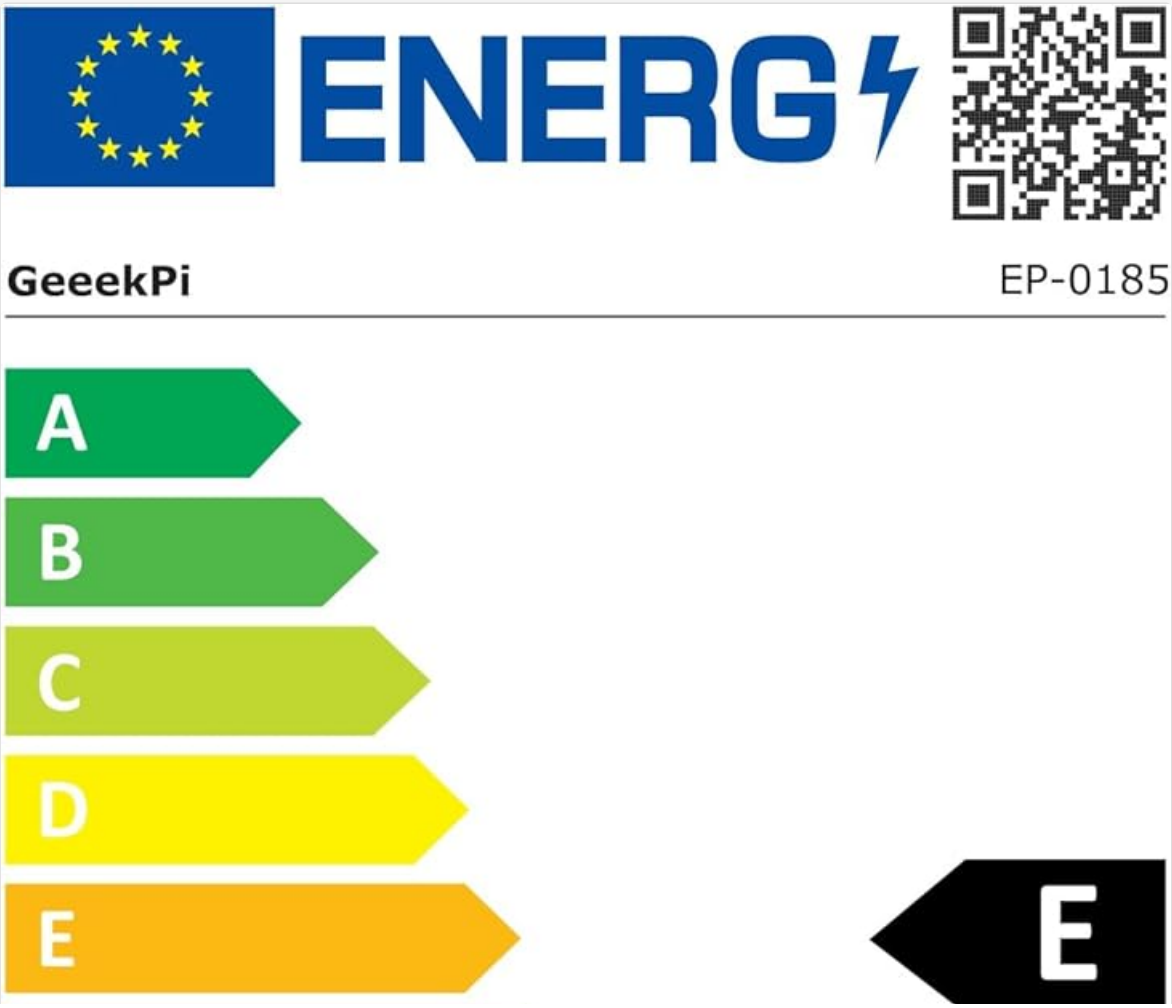
Kundenbetreuung:

Name: ENIFPEGASUSSRL **Website:**

E-Mail-Adresse: marinoecormack@outlook.com **Telefonnummer:** 004076851176

Anschrift:
MIHAI, Bloc 42, Scara 1,
Etaj 5, Apartament 29,
22882 Bucuresti Sectorul 2,
Romania

Image: Product data sheet providing detailed specifications and energy efficiency information.



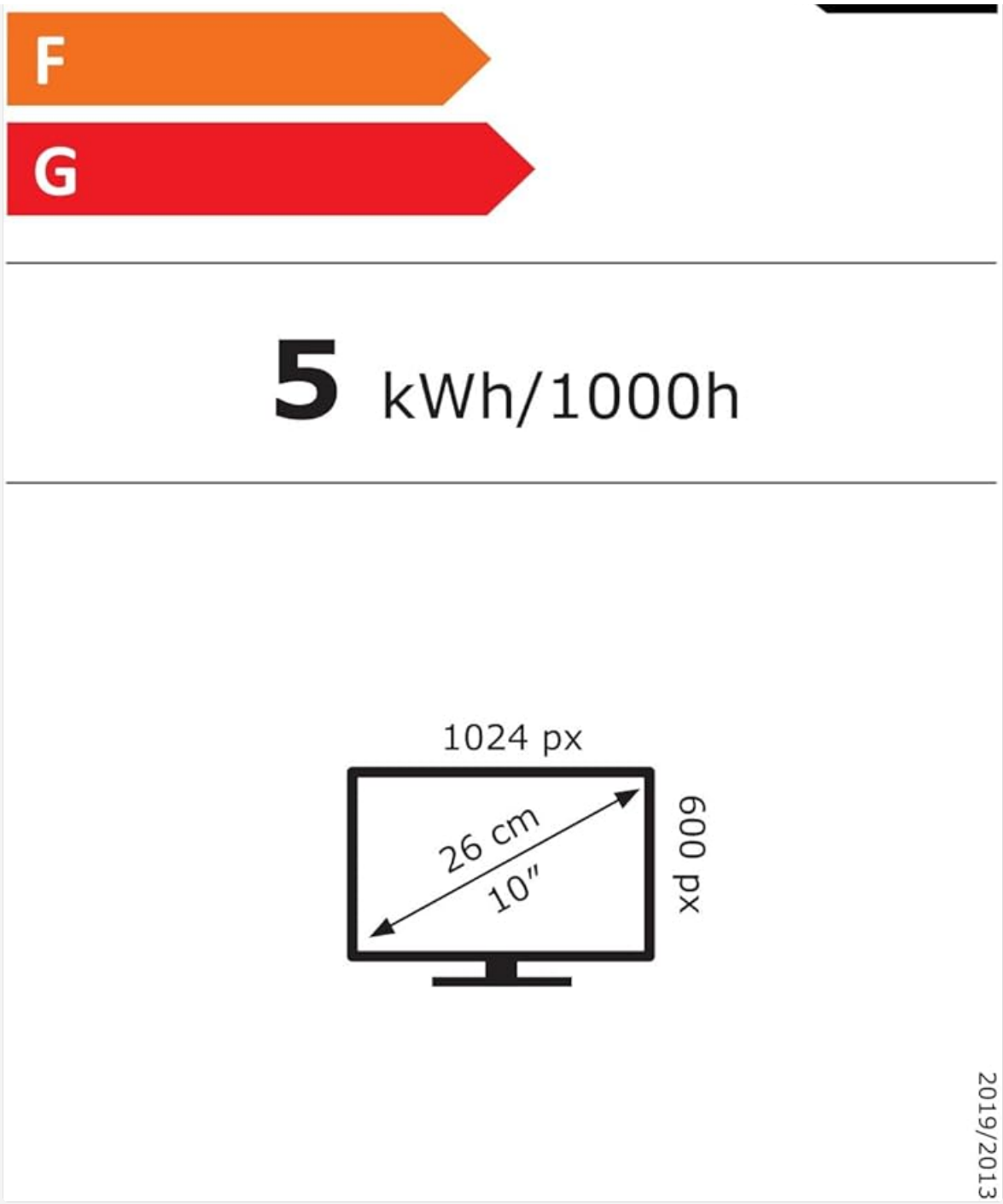


Image: EU Energy Label for the GeeekPi EP-0185, indicating an energy class of E and consumption of 5 kWh per 1000 hours.

9. Warranty and Support

Information regarding product warranty and specific support contact details is not provided within the available product data. For warranty claims or technical assistance, please refer to the retailer or manufacturer's official website where you purchased the product.