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› HEIGAOLA F7GA Rugged Tablet PC User Manual

## HEIGAOLAPC F7GA

# HEIGAOLA F7GA Rugged Tablet PC User Manual

Model: F7GA

## 1. INTRODUCTION

The HEIGAOLA F7GA Rugged Tablet PC is a durable and versatile device designed for demanding environments. It features a 10.1-inch FHD touchscreen, powered by an Intel Celeron Quad-Core processor with 8GB RAM and 128GB ROM, running Windows 11 Pro. The tablet supports 4G LTE, WiFi 5, Bluetooth 5.2, and GPS, and is equipped with a 16000mAh battery for extended use. Its MIL-STD-810G and IP67 ratings ensure resistance to water, dust, and shocks, making it suitable for various professional applications.



Figure 1: HEIGAOLA F7GA Rugged Tablet PC with Windows 11 display and visible ports.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x HEIGAOLA F7GA Rugged Tablet PC
- 1 x Power Adapter
- 1 x USB Cable
- 1 x User Manual

## 3. DEVICE OVERVIEW

Familiarize yourself with the tablet's physical components and ports.



Figure 2: Detailed view of the tablet's ports and connectors.

### 3.1. Ports and Connectors

- **COM (RS232) Port:** For serial communication with industrial equipment.
- **USB 3.0 Ports:** Two ports for connecting USB devices.
- **RJ45 Gigabit Ethernet Port:** For wired network connectivity.
- **Micro HDMI 2.0 Port:** For connecting to external displays.
- **Type-C 3.1 Port:** For data transfer and charging.
- **Headphone Jack Adapter (3.5mm):** For audio output.
- **TF Card Reader:** For expanding storage with a microSD card.
- **SIM Card Slot:** For 4G LTE cellular connectivity.
- **DC 12V/3A (36W) Charger Port:** Main power input.
- **Pogo Pin Connector:** For magnetic direct plug charging with a compatible dock.

### 3.2. Buttons and Indicators

- **Power Button:** To turn the device on/off or put it to sleep.

- **Volume Buttons (+/-):** To adjust audio volume.
- **Front Camera:** For video calls and photography.
- **Rear Camera:** For photography and scanning.

## 4. SETUP

### 4.1. Charging the Tablet

1. Connect the power adapter to the DC 12V/3A port on the tablet.
2. Plug the power adapter into a wall outlet.
3. Allow the tablet to charge fully before first use. The charging indicator will show the charging status.

### 4.2. Powering On/Off

- **To Power On:** Press and hold the Power Button until the screen lights up.
- **To Power Off:** Press and hold the Power Button, then select "Shut down" from the Windows power options. Alternatively, go to Start > Power > Shut down.
- **To Sleep/Wake:** Briefly press the Power Button.

### 4.3. Initial Windows 11 Pro Setup

Upon first power-on, follow the on-screen instructions to complete the Windows 11 Pro setup, including:

- Selecting your region and keyboard layout.
- Connecting to a Wi-Fi network.
- Accepting the license agreement.
- Creating a user account or signing in with a Microsoft account.

### 4.4. Inserting SIM and TF Cards

1. Locate the SIM card slot and TF card slot on the side of the tablet.
2. Carefully insert the appropriate card into its designated slot until it clicks into place. Ensure the tablet is powered off before inserting or removing cards.



Figure 3: SIM card insertion.

## 5. OPERATING THE TABLET

### 5.1. Touchscreen Navigation

The tablet features a multi-touch display. Use standard Windows gestures for navigation:

- **Tap:** To select an item or open an application.
- **Tap and Hold:** To open context menus or drag items.

- **Swipe:** To scroll through content or navigate between screens.
- **Pinch-to-Zoom:** To zoom in or out on images and web pages.

## 5.2. Network Connectivity

The tablet supports multiple network connection methods:

- **Wi-Fi:** Connect to available 2.4GHz or 5GHz wireless networks via Windows settings.
- **4G LTE:** If a SIM card is installed and activated, access cellular data through Windows network settings.
- **Ethernet:** Connect an Ethernet cable to the RJ45 port for a stable wired internet connection.

## 5.3. Bluetooth Pairing

To pair Bluetooth devices (e.g., headphones, keyboards):

1. Go to Windows Settings > Bluetooth & devices.
2. Ensure Bluetooth is turned on.
3. Select "Add device" and choose "Bluetooth".
4. Select your device from the list and follow the pairing instructions.

## 5.4. GPS Functionality

The tablet is equipped with high-precision GPS. Location services can be enabled or disabled in Windows Settings > Privacy & security > Location. Applications requiring GPS will utilize this feature automatically when permitted.



Figure 4: GPS functionality on the tablet.

## 5.5. External Display Connection

Connect the tablet to an external monitor or TV using the Micro HDMI 2.0 port. Once connected, Windows display settings can be adjusted to extend, duplicate, or project the display.

## 6. DURABILITY FEATURES

The HEIGAOLA F7GA is built to withstand challenging conditions:

# RUGGED TABLET PC

This ensures dependability in the field

The safe and secure rugged tablet for demanding applications including warehousing, manufacturing, construction, logistics and so much more.

IP67 GRADE

ANTI-SHOCK 1.2M

MIL-STD-810G



The use of accurate temperature measurement: the machine can be between  $-10^{\circ}$   $-55^{\circ}$ , normal work, will not be too high or too low temperature damage to the machine, resulting in damage to the motherboard, melting, scrap.

Figure 5: Durability features of the rugged tablet.

- **MIL-STD-810G Grade:** Certified to military standards for durability, including resistance to drops from up to 4 feet (1.2 meters).
- **IP67 Rating:** Provides protection against dust ingress and immersion in water up to 1 meter for 30 minutes.
- **Temperature Resistance:** Designed to operate in a wide range of temperatures, from extreme cold to heat.

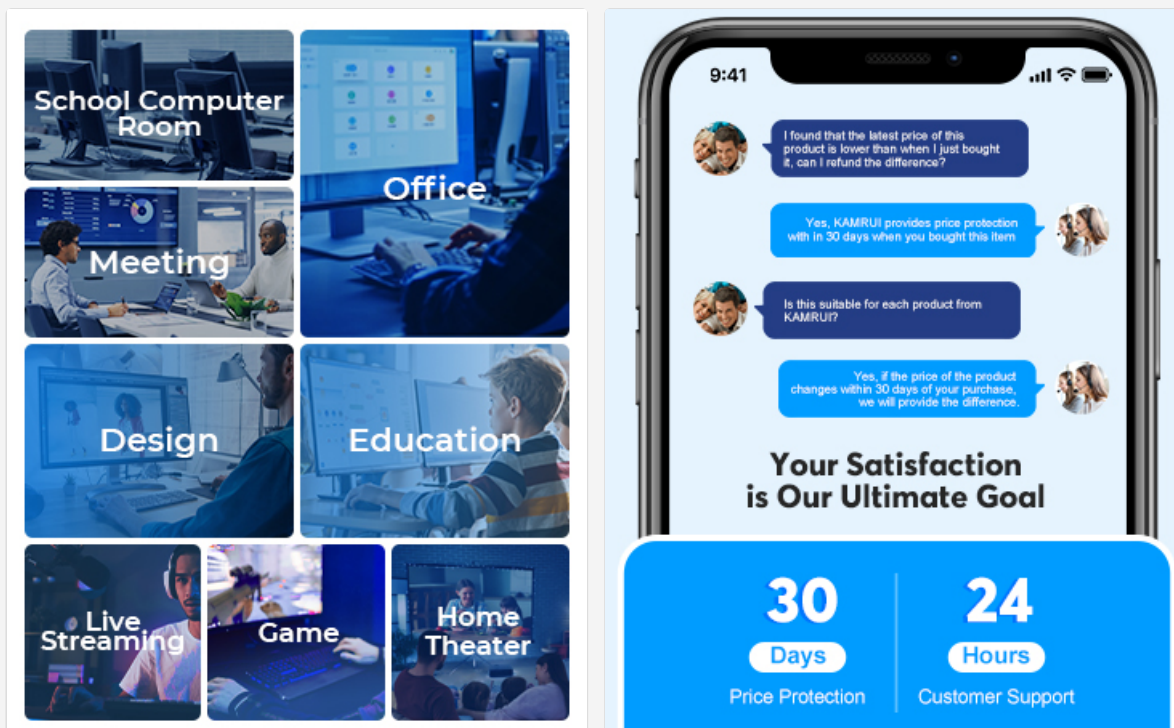


Figure 6: Tablet operating in extreme temperatures.

## 7. MAINTENANCE

### 7.1. Cleaning

- Use a soft, lint-free cloth to clean the screen and body.
- For stubborn marks, dampen the cloth with water or a screen-cleaning solution. Avoid harsh chemicals.
- Ensure all port covers are securely closed before cleaning with liquids or exposing to water.

### 7.2. Battery Care

The tablet is equipped with a 16000mAh battery. To maximize battery life:

- Avoid fully discharging the battery frequently.
- Store the tablet in a cool, dry place when not in use for extended periods.
- Perform regular software updates to ensure optimal power management.

### 7.3. Software Updates

Regularly check for and install Windows updates to ensure system stability, security, and performance. Go to Start > Settings > Windows Update.

## 8. TROUBLESHOOTING

This section addresses common issues you might encounter.

### 8.1. Device Not Powering On

- Ensure the tablet is sufficiently charged. Connect it to the power adapter and wait a few minutes before attempting to power on.
- Press and hold the Power Button for 10-15 seconds to perform a hard reset.

## 8.2. Wi-Fi Connection Issues

- Verify that Wi-Fi is enabled in Windows settings.
- Restart your Wi-Fi router and the tablet.
- Ensure you are within range of the Wi-Fi network and have entered the correct password.

## 8.3. Slow Performance

- Close unnecessary applications running in the background.
- Check for and install any pending Windows updates.
- Ensure sufficient free storage space. Delete unneeded files or move them to external storage.
- Run a disk cleanup and defragmentation (for HDD, not necessary for SSD/eMMC).

## 8.4. Other Issues

For operating system-specific problems or more complex issues, refer to the Windows 11 Pro help documentation or contact customer support.

## 9. SPECIFICATIONS

Detailed technical specifications for the HEIGAOLA F7GA Rugged Tablet PC:

Feature	Specification
Model	F7GA
Operating System	Windows 11 Pro
Screen Size	10.1 Inches
Screen Resolution	1280 x 800 pixels (Max 1920 x 1200 Pixels)
Processor	Intel Celeron N4120 Quad-Core, 1100 MHz
RAM	8GB DDR SDRAM
Internal Storage	128GB Flash Memory (expandable via TF card)
Battery	16000mAh Lithium Polymer (up to 10 hours average life)
Wireless Connectivity	802.11ac Wi-Fi (2.4GHz/5GHz), Bluetooth 5.2, 4G LTE
GPS	High-precision GPS functionality
Ports	HDMI, USB 3.0 (x2), Type-C 3.1, DB9 serial, 3.5mm Headphone, TF Card Slot, RJ45 Gigabit Ethernet
Cameras	Rear 8 MP
Dimensions (LxWxH)	10.63 x 7.48 x 0.79 inches
Item Weight	3.83 pounds
Durability	MIL-STD-810G, IP67 Waterproof and Dustproof

## 10. WARRANTY AND SUPPORT

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HEIGAOLA provides customer support for its products. For any technical assistance, warranty claims, or product-related inquiries, please contact HEIGAOLA customer support through the retailer where the product was purchased or refer to the official HEIGAOLA website for contact information.

- **Customer Support:** Available for assistance with product issues.
- **Price Protection:** Some retailers may offer price protection within a specified period (e.g., 30 days) from the purchase date. Please check with your retailer for details.