



AWGT Mini Kiosk Technical Manual



Table of Contents

<i>Introduction</i>	<i>3</i>
Purpose of the Manual	3
Overview of the AWGT Mini Kiosk.....	3
Key Features and Specifications.....	3
<i>Safety And Compliance.....</i>	<i>3</i>
Safety Guidelines	4
Compliance Certifications.....	4
<i>Unboxing and Installation.....</i>	<i>5</i>
Package Contents.....	5
Pre-Installation Checklist	5
Step-by-Step Installation Guide.....	5
<i>Hardware & Device Dimensions Overview.....</i>	<i>5</i>
Dimensions.....	8
<i>Software Overview</i>	<i>10</i>
<i>Maintenance And Care</i>	<i>11</i>
Cleaning.....	12
Ventilation.....	12
Software Maintenance	12
Preventive Maintenance Schedule	12
Storage and Transportation.....	13
Warning	13
<i>Troubleshooting And Support.....</i>	<i>13</i>
Troubleshooting Guide	13
Warranty and Replacement.....	14
<i>Appendix.....</i>	<i>14</i>
Additional Media	14
Kiosk Device – Side View.....	15

Introduction

Purpose of the Manual

The purpose of this manual is to provide users with comprehensive guidance on the setup, operation, maintenance, and troubleshooting of the AWGT Mini Kiosk. This guide is tailored for both novice users and experienced technicians to ensure optimal utilization of the kiosk.

Overview of the AWGT Mini Kiosk

The AWGT Mini Kiosk is a compact, versatile solution designed for various self-service applications. With its sleek design and user-friendly interface, the kiosk is suitable for environments such as retail stores, transportation hubs, hospitality venues, and more. It combines cutting-edge technology with durable hardware to deliver a reliable and efficient self-service experience.

Key Features and Specifications

- Compact Design: Small footprint to fit into limited spaces without compromising functionality.
- Touchscreen Interface: High-resolution display with responsive touch technology for seamless user interaction.
- Versatile Connectivity: Supports multiple network configurations, including Wi-Fi and VPN.
- Customizable Software: Flexible software options to meet the unique requirements of different business cases.
- Durable Construction: Built with robust materials to withstand high intensity use environments.

Safety And Compliance

Below are basic safety and compliance specifications.

Safety Guidelines

Ensuring the safe operation of the AWGT Mini Kiosk is critical. Follow these guidelines to minimize risks:

- **Electrical Safety:** Ensure the kiosk is connected to a properly grounded electrical outlet and avoid using damaged cords or plugs.
- **Placement:** Install the kiosk on a stable, level surface away from sources of excessive heat, moisture, or vibration.
- **Operational Safety:** Do not operate the kiosk if it appears damaged or functions abnormally. Contact technical support for assistance.
- **User Awareness:** Provide clear signage or instructions for end users to prevent misuse or tampering with the kiosk.

Compliance Certifications

The AWGT Mini Kiosk meets the following compliance standards to ensure reliability and safety:

- **CE Marking:** Compliance with EU safety, health, and environmental requirements.
- **FCC Certification:** Adherence to U.S. Federal Communications Commission standards for electronic devices.
- **RoHS Compliance:** Free from hazardous materials, including lead, mercury, and cadmium.


alphawin Game Technology

Kiosk Web Personal Computer

Product model: KPC10-M01TS
Модел

Voltage: 230 V
Frequency: 50/60 Hz
Max. Power: 23 W

Date of Manufacture: 04 / 2022
Дата на производство

Designed and made in Bulgaria
Сглобено в България

Kiosk PC10-M01TS
„КОМПАНИЯ БАЛКАН“ ЕООД
Balkan Company Ltd. / BG203247755
10 Asen Zlatarov str., Kostinbrod 2230, Bulgaria


S/N: AWGTKPC10M01TS-2200001


MAC: 11-11-11-11-11-11



Picture 1 – Sample device label (back)

Unboxing and Installation

Package Contents

Upon unboxing the AWGT Mini Kiosk, ensure that the following items are included:

- Assembled Mini Kiosk Machine: Ready for immediate setup and use.
- Tablet Charger: Specifically designed for the tablet component of the kiosk.
- Quick Start Guide: A brief overview to help you get started quickly.

If any items are missing, contact AWGT technical support immediately.

Pre-Installation Checklist

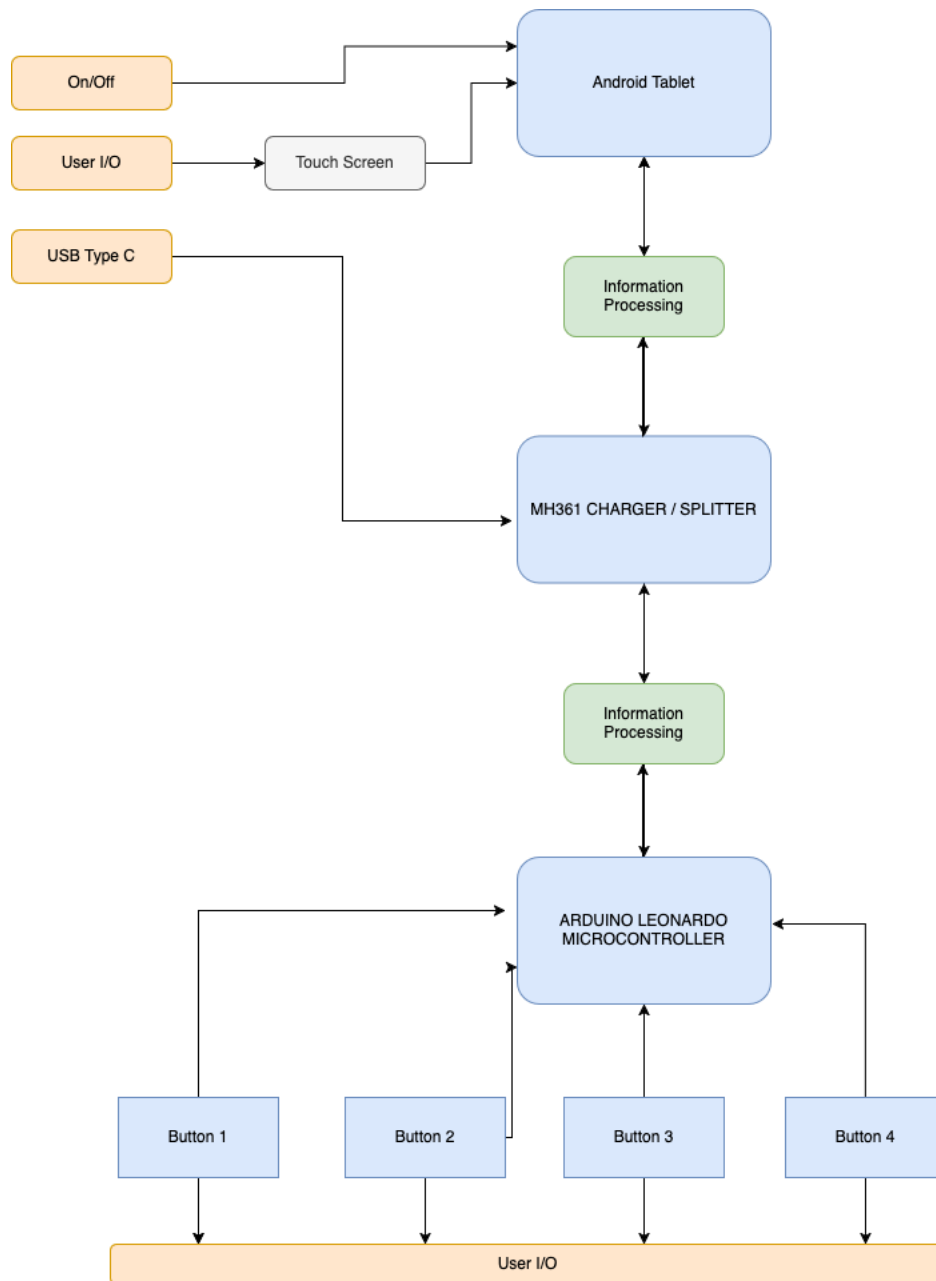
Before proceeding with the installation, ensure the following:

- A stable and level surface is available for placement.
- The kiosk location is within range of a power outlet.
- Network connectivity (Wi-Fi or Ethernet) is available if required.
- All package contents have been verified.

Step-by-Step Installation Guide

1. Unbox the Components: Carefully remove the kiosk and charger from the packaging.
2. Place the Kiosk: Position the kiosk on a stable, level surface.
3. Connect Power: Plug the tablet charger into the designated port and a power outlet.
4. Power On: Press the power button to turn on the kiosk.
5. Network Setup: Configure the network connection if required.
6. Finalize Installation: Ensure all components are securely connected and operational.

Hardware & Device Dimensions Overview



High level system diagram

The AWGT Mini Kiosk is engineered with a selection of reliable components to ensure optimal performance and durability. Below is a detailed breakdown of its primary hardware elements:

1. Android Tablet:

- Models: Depending on the specific kiosk configuration and production year, the device may incorporate tablets such as the Nokia T20 or Huawei MatePad 11.
- Specifications:
 - Nokia T20:
 - Display: 10.4-inch IPS LCD with a resolution of 1200 x 2000 pixels.
 - Processor: Unisoc T610 chipset.

- Memory: 4 GB RAM.
 - Storage: Options of 32 GB or 64 GB internal storage, expandable via microSD.
 - Battery: 8,200 mAh capacity.
 - Operating System: Android 11.
 - Dimensions: 247.6 x 157.5 x 7.8 mm.
 - Weight: 465 grams.
 - Huawei MatePad 11:
 - Display: 10.95-inch IPS LCD with a resolution of 2560 x 1600 pixels.
 - Processor: Qualcomm Snapdragon 865.
 - Memory: 6 GB RAM.
 - Storage: 64 GB, 128 GB, or 256 GB internal storage, expandable via microSD.
 - Battery: 7,250 mAh capacity.
 - Operating System: HarmonyOS 2.0.
 - Dimensions: 253.8 x 165.3 x 7.3 mm.
 - Weight: 485 grams.
2. USB Hub:
- Type: Standard USB 2.0 hub.
 - Functionality: Expands a single USB port to multiple ports, facilitating the connection of peripheral devices such as the microcontroller and hardware buttons to the tablet.
3. Microcontroller:
- Model: Arduino Uno.
 - Specifications:
 - Microcontroller: ATmega328P.
 - Operating Voltage: 5V.
 - Digital I/O Pins: 14 (of which 6 provide PWM output).
 - Analog Input Pins: 6.
 - Flash Memory: 32 KB (ATmega328P) of which 0.5 KB is used by the bootloader.
 - SRAM: 2 KB.
 - EEPROM: 1 KB.
 - Clock Speed: 16 MHz.
 - Dimensions: 68.6 x 53.4 mm.
 - Weight: 25 grams.
4. Hardware Buttons - **Four buttons with specific gaming functions, illuminated for clarity.**

Auto Spin Button: Starts and stops the spinning of the reels with one press.

Black Button: Reserved for specific cases, often for color selection or interaction.

Red Button: Similar to the Black Button but for alternative actions.

Start/Stop Button: Initiates and halts reel spinning as per user discretion.

- Quantity: Four.
 - Type: Momentary push-button switches.
 - Specifications:
 - Contact Configuration: Single Pole Single Throw (SPST).
 - Rating: 50 mA at 12 VDC.
 - Actuation Force: Approximately 160 gf.
 - Mounting: Through-hole or surface mount, depending on design requirements.
 - Dimensions: Typically, 5 x 5 mm footprint with varying heights, dimensions may vary.
5. Internal Wiring:
- Type: Standard insulated copper wires.

Dimensions

This section provides detailed diagrams and measurements to ensure proper setup and usage. The figures include all external and internal components, with precise dimensions to aid in space planning and maintenance.

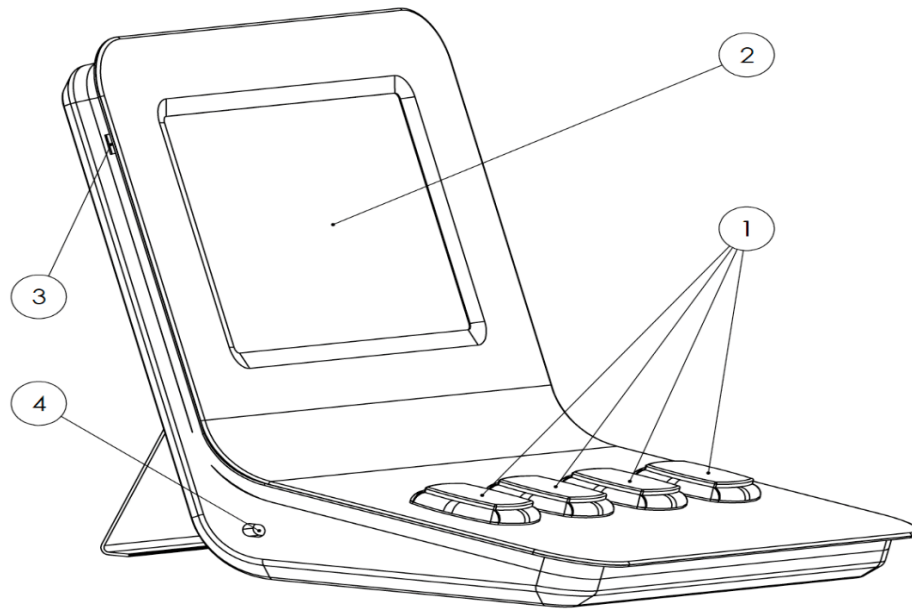


Diagram 1 – Mini Kiosk General Overview

- 1. Hardware Buttons
- 2. Tablet Touch Display
- 3. Power On/Off button.
- 4. Charging port.

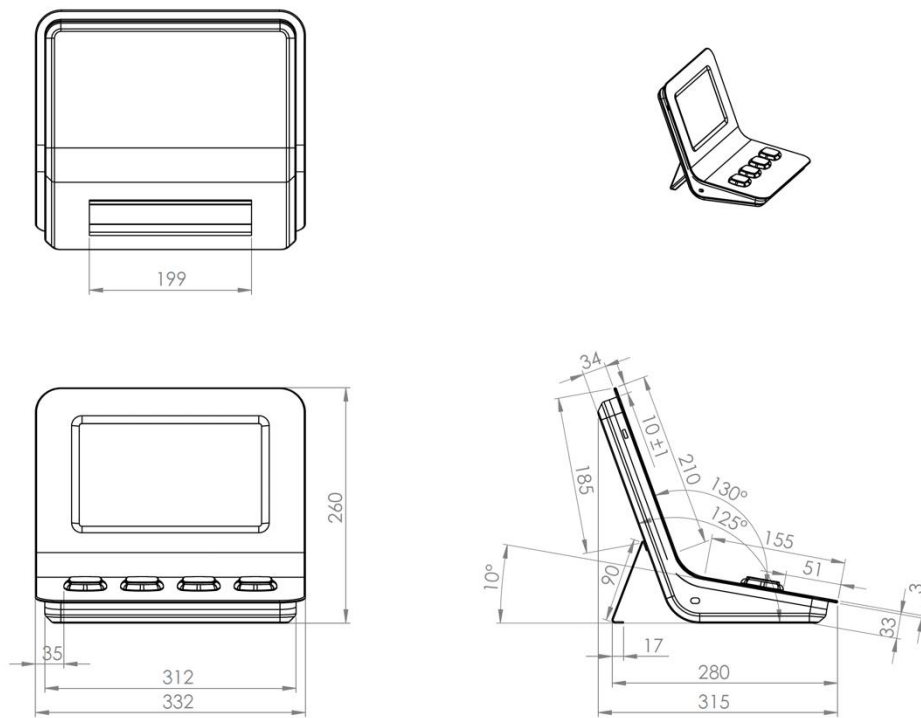


Diagram 2 – Mini Kiosk Dimensions in mm.

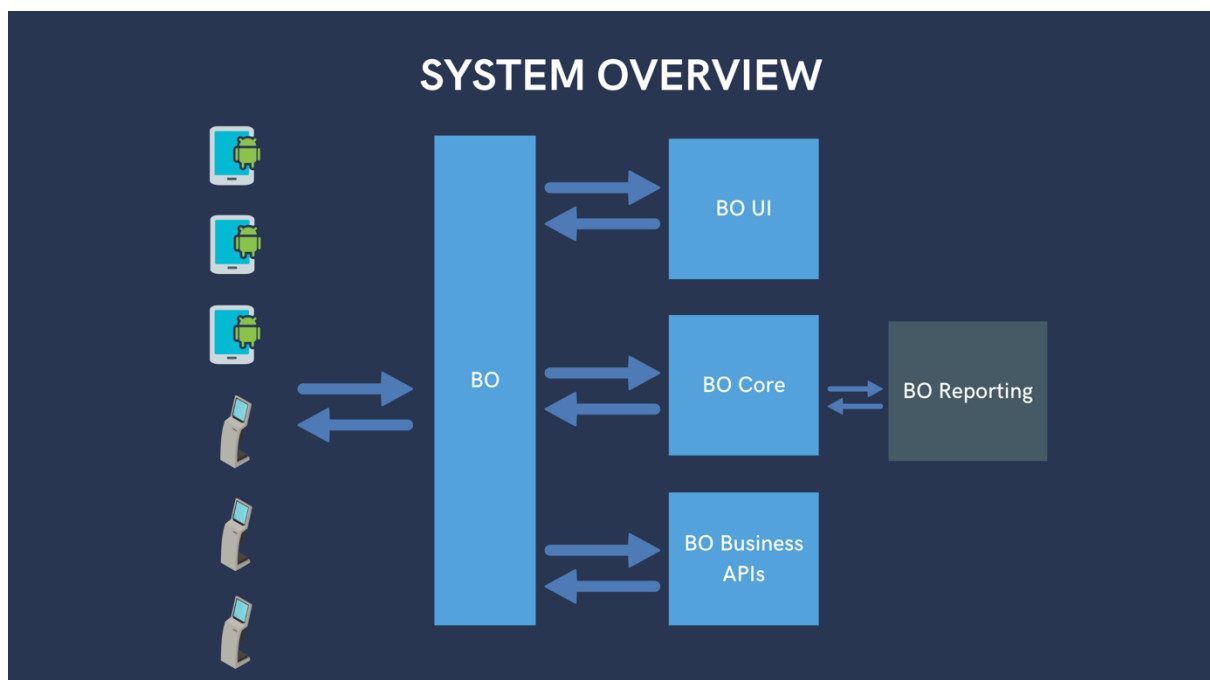
Software Overview

The AWGT Mini Kiosk features a highly specialized software architecture tailored for secure and efficient operations in various environments. At its core is a custom-built Android operating system, optimized to provide a robust and secure platform. This custom Android build incorporates the following key features:

1. **Kiosk Mode Lockdown:** The kiosk application operates in a locked-down mode, restricting users from accessing the underlying operating system. Only essential functionalities such as volume control, brightness adjustment, and network settings are accessible, ensuring a consistent and secure user experience.
2. **Bespoke Application:** A custom application, pre-installed on every device, acts as the primary user interface. This application is tailored to meet specific business requirements and seamlessly integrates with the hardware components of the kiosk.

3. Mobile Device Management (MDM): Each kiosk is equipped with an advanced MDM solution. This enables administrators to:
 - Perform remote diagnostics and troubleshooting.
 - Push software updates over-the-air (OTA).
 - Enforce geofencing rules to restrict kiosk usage to specific locations.
 - Monitor device health and usage metrics in real time.
4. Custom Microcontroller Firmware: The interactive hardware components, including physical buttons, are controlled by a dedicated microcontroller. This microcontroller runs firmware written in C, designed to:
 - Accurately interpret button presses and relay them to the Android application.
 - Handle hardware-level diagnostics to identify and report potential issues with buttons or sensors.
 - Ensure low-latency communication between hardware inputs and software responses.
5. Enhanced Security Features: The Android build is fortified with the following safeguards:
 - Blocked access to USB debugging and developer options.
 - Encrypted data storage to protect sensitive information.
 - Regular security updates to address vulnerabilities.

Backoffice Module



Backoffice System Overview

The AWGT **Mini Kiosk** integrates with a custom-designed backoffice system that facilitates machine servicing and remote management. This backoffice module includes several core functionalities:

- **User Accounts and Management:** Provides an administrative interface for managing user roles, permissions, and access levels.
- **Integration with the MDM Platform:** Enables remote monitoring, diagnostics, and software updates, ensuring machines remain up-to-date and secure.
- **Dynamic Button Configuration:** The machines communicate with the backoffice to configure their button layouts dynamically for each game, allowing for flexible functionality based on the installed software.
- **Machine Association and Statistics:**
 - Machines can be assigned to specific locations for tracking and logistical purposes.
 - The backoffice collects and presents data on revenue processed per kiosk, as well as insights into game usage and player interactions.
- **Reports:**
 - Comprehensive report suite, depending on the client's reporting requirements

Maintenance And Care

Proper maintenance ensures the AWGT Mini Kiosk remains functional and extends its lifespan. Below are specific maintenance guidelines:

Cleaning

- **Touchscreen:** Use a microfiber cloth dampened with a small amount of screen-safe cleaner. Avoid applying liquids directly to the screen.
- **Exterior Housing:** Wipe down plastic and metal surfaces with a soft cloth. Avoid abrasive cleaners or harsh chemicals.

Ventilation

- Ensure ventilation openings on the back and underside remain clear of dust and debris. Use compressed air or a vacuum with a soft brush attachment for periodic cleaning.

Software Maintenance

- Check regularly for software updates from AWGT to ensure the kiosk operates smoothly.

Preventive Maintenance Schedule

- **Weekly:** Clean the touchscreen and housing.
- **Monthly:** Clean the dust ventilation openings.

Storage and Transportation

- Disconnect the power cable and cover the kiosk during extended storage to prevent dust accumulation.
- Ensure the kiosk is securely packed during transportation to avoid damage to the screen or components.

Warning

- Do not open internal compartments unless instructed by an authorized technician.
- Avoid placing the kiosk in direct sunlight, high humidity, or near excessive heat sources.

For further maintenance inquiries or specialized care, contact AWGT Technical Support.

Troubleshooting And Support

This section provides guidance on identifying and resolving common issues encountered while using the AWGT Mini Kiosk. For issues that cannot be resolved using this guide, please contact AWGT Technical Support.

Troubleshooting Guide

Below is a list of common issues and recommended solutions:

1. Kiosk Does Not Power On

- Ensure the power cable is securely connected to both the kiosk and the electrical outlet.
- Check the electrical outlet with another device to confirm it is functioning.
- Inspect the power cable for any visible damage. Replace it if needed.
- Verify that the power button is pressed for at least 5 seconds.

2. Touchscreen Is Unresponsive

- Clean the screen using a soft, lint-free cloth to remove dirt or debris.
- Ensure there are no physical obstructions or damage to the screen.
- Restart the kiosk by powering it off and on.

3. Network Connectivity Issues

- Verify the kiosk is within range of the Wi-Fi network.
- Check that network credentials are entered correctly.
- Restart the kiosk and network router to refresh the connection.
- Test the network with another device to ensure it is operational.
- If using Ethernet, ensure the cable is securely connected to the kiosk and network port.

5. Error Messages Displayed on Screen

- Take note of the error code or message displayed.
- Contact AWGT Technical Support with the error code if the issue persists.

6. Audio or Speaker Malfunctions

- Verify the audio volume is appropriately set in the system settings.
- Inspect the speaker area for obstructions or damage.
- Restart the kiosk to reset the audio system.
- Contact technical support for hardware inspection if unresolved.
- Support Information

Warranty and Replacement

The AWGT Mini Kiosk comes with a limited warranty covering manufacturing defects and hardware malfunctions. For warranty claims, ensure you have the original proof of purchase and contact AWGT Technical Support. Warranty coverage does not include damage caused by misuse, accidents, or unauthorized modifications.

For replacement parts or accessories, visit our online store or contact technical support for assistance.

Appendix

Additional Media



Kiosk Device – Side View