

User Manual

USC-360

Ultra-slim and versatile all-inone POS computer



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- 5. Write the RMA number clearly on the outside of the package and ship the package prepaid to your dealer.

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Technical Support and Assistance

- 1. Visit the Advantech website at www.advantech.com/support to obtain the latest product information.
- 2. Contact your distributor, sales representative, or Advantech's customer service center for technical support if you need additional assistance. Please have the following information ready before calling:
 - Product name and serial number
 - Description of your peripheral attachments
 - Description of your software (operating system, version, application software, etc.)
 - A complete description of the problem
 - The exact wording of any error messages

Warnings, Cautions and Notes

Warning! Warnings indicate conditions, which if not observed, can cause personal injury!





Caution! Cautions are included to help you avoid damaging hardware or losing data. e.g.



There is a danger of a new battery exploding if it is incorrectly installed. Do not attempt to recharge, force open, or heat the battery. Replace the battery only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.



Notes provide optional additional information.



Document Feedback

To assist us in making improvements to this manual, we would welcome comments and constructive criticism. Please send all such - in writing to: support@advantech.com

Safety Precautions - Static Electricity

Follow these simple precautions to protect yourself from harm and the products from damage.

- To avoid electrical shock, always disconnect the power from the PC chassis before manual handling. Do not touch any components on the CPU card or other cards while the PC is powered on.
- Disconnect the power before making any configuration changes. A sudden rush of power after connecting a jumper or installing a card may damage sensitive electronic components.

Safety Instructions

- 1. Read these safety instructions carefully.
- 2. Retain this user manual for future reference.
- 3. Disconnect the equipment from all power outlets before cleaning. Use only a damp cloth for cleaning. Do not use liquid or spray detergents.
- 4. For pluggable equipment, the power outlet socket must be located near the equipment and easily accessible.
- 5. Protect the equipment from humidity.
- 6. Place the equipment on a reliable surface during installation. Dropping or letting the equipment fall may cause damage.
- 7. The openings on the enclosure are for air convection. Protect the equipment from overheating. Do not cover the openings.
- 8. Ensure that the voltage of the power source is correct before connecting the equipment to a power outlet.
- 9. Position the power cord away from high-traffic areas. Do not place anything over the power cord.
- 10. All cautions and warnings on the equipment should be noted.
- 11. If the equipment is not used for a long time, disconnect it from the power source to avoid damage from transient overvoltage.
- 12. Never pour liquid into an opening. This may cause fire or electrical shock.
- 13. Never open the equipment. For safety reasons, the equipment should be opened only by qualified service personnel.
- 14. If any of the following occurs, have the equipment checked by service personnel:
 - The power cord or plug is damaged.
 - Liquid has penetrated the equipment.
 - The equipment has been exposed to moisture.
 - The equipment is malfunctioning, or does not operate according to the user manual.
 - The equipment has been dropped and damaged.
 - The equipment shows obvious signs of breakage.
- 15. Do not leave the equipment in an environment with a storage temperature of below -20 °C (-4 °F) or above 60 °C (140 °F) as this may damage the components. The equipment should be kept in a controlled environment.
- 16. CAUTION: Batteries are at risk of explosion if incorrectly replaced. Replace only with the same or equivalent type as recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.
- 17. In accordance with IEC 704-1:1982 specifications, the sound pressure level at the operator's position does not exceed 70 dB (A).

DISCLAIMER: These instructions are provided according to IEC 704-1 standards. Advantech disclaims all responsibility for the accuracy of any statements contained herein.

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General Information

This chapter gives background information on the USC-360.
Sections include:
Introduction
Specifications
Dimensions

1.1 Introduction

The USC-360 all-in-one service computer is the latest addition to Advantech's USC product family and Avalo solution offerings. It is powered by an Intel Celeron J6412, TG-L i3-1115G4E, i5-1145G7E, and Rockchip RK3568 quad-core Cortex-A55 processor, offering a competitive cost and energy-effective platform tailored for retail and hospitality. The USC-360 computers have an ultra-slim form factor, facilitating easy installation in diverse environments.

Notably, these computers feature a 15.6" TFT LCD monitor with an IP65-rated front panel that protects against water and dust ingress. Additionally, the USC-360 can be equipped with an optional secondary display for broadcasting product promotions, enhancing consumer engagement. Overall, USC-360 computers provide flexible point-of-service (POS) computing solutions that empower retailers and service staff to optimize operations and improve customer service.

1.2 Specifications

1.2.1 USC-360H

1.2.1.1 General Specifications

- Processor: Intel. Core. i3-1115G4E/i5-1145G7E/ Celeron. 6305E
- Memory: 1 x 260-pin SODIMM DDR4-3200 (up to 32 GB)
- Storage: 1 x M.2 SSD
- Display: 15.6" TFT LCD (1920 x 1080), 220nit (350nits optional)
- **Touch Panel:** Projected capacitive (P-CAP) touch control (flat glass)
- USB: 3 x USB-C (One for DP, one for DC in, one for IO Hub), 2 x USB 3.0, 1 x USB 2.0 (broadside)
- Audio: 2 x 2W speaker installed. 1 x Line out
- Power Supply: 65W via power adapter
- Bus Expansion: 1 x M.2 slot (for Wi-Fi and Bluetooth)
- Ethernet: 1 x RJ-45 Intel Gigabit Ethernet (10/100/1000), I219LM
- Operating System: Windows 10/11, Linux
- **Cash Drawer:** 1 x cash drawer port
- USB-C Input: 20 VDC
- IP Rating: IP65 for front panel
- Dimensions (W x H x D): 381 x 230.4 x 31.5 mm
- Weight: 4 kg (Net); 4.5 kg (Gross)
- Color: Black
- I/O on extension HUB:

UP36 Power USB Hub: 2 x COM, 3 x 12V Power USB, 1 x 24V Power USC, 2 x USB 2.0, 1 x USB C, 1 x DC IN (powered by 180W adapter) UP37 COM Port Hub: 4 x COM (RJ-48 connector), 1 x USB C Input, 6 x USB 2.0 (powered by USC-360 65W adapter

1.2.1.2 Environmental Specifications

- **Operating Temperature:** 0 ~ 40°C (32 ~ 104°F)
- **Relative Humidity:** 10 ~ 90% @ 40°C/104 °F
- **Shock:** 10G peak acceleration (11 ms duration)
- Vibration: 5 ~ 500 Hz 0.5 Grms, random
- Certification: FCC, CE, CCC, BSMI, UL, CB, BIS

1.2.1.3 Power

- Power Input Voltage: 65W (100-240Vac,47-63Hz,1.5A) power adapter / 180W by UP36 Hub (100-240Vac,47-63Hz,7.5A) power adapter (optional)
- Power Switch: Orange: standby/Green: power on

1.2.2 USC-360J

1.2.2.1 General Specifications

- Processor: Intel Celeron J6412
- Memory: 1 x 260-pin SODIMM DDR4-3200 (up to 32 GB)
- **Storage:** 1 x M.2 SSD
- Display: 15.6" TFT LCD (1920 x 1080), 220nit (350 nits optional)
- **Touch Panel:** Projected capacitive (P-CAP) touch control (flat glass)
- USB: 3 x USB-C (One for DP, one for DC in, one for IO Hub), 2 x USB 3.0, 1 x USB 2.0 (broadside)
- Audio: 2 x 2W speaker installed. 1 x Line out
- Power Supply: 65W via power adapter
- Bus Expansion: 1 x M.2 slot (for Wi-Fi and Bluetooth)
- Ethernet: 1 x RJ-45 Intel Gigabit Ethernet(10/100/1000), I226-V
- Operating System: Windows 10/11, Linux
- **Cash Drawer:** 1 x cash drawer port
- USB-C Input: 20 VDC
- IP Rating: IP65 for front panel
- Dimensions (W x H x D): 381 x 230.4 x 31.5 mm
- Weight: 4 kg (Net); 4.5 kg (Gross)
- Color: Black
- I/O on extension HUB:

UP36 Power USB Hub: 2 x COM, 3 x 12V Power USB, 1 x 24V Power USC, 2 x USB 2.0, 1 x USB C, 1 x DC IN (powered by 180W adapter) UP37 COM Port Hub: 4 x COM (RJ-48 connector), 1 x USB C Input, 6 x USB 2.0 (powered by USC-360 65W adapter)

1.2.2.2 Environmental Specifications

- **Operating Temperature:** 0 ~ 40 °C (32 ~ 104°F)
- Relative Humidity: 10 ~ 90% @ 40 °C/104 °F
- **Shock:** 10G peak acceleration (11 ms duration)
- Vibration: 5 ~ 500 Hz 0.5 Grms, random
- Certification: FCC, CE, CCC, BSMI, UL, CB, BIS

1.2.2.3 Power

- Power Input Voltage: 65W (100-240Vac,47-63Hz,1.5A) power adapter / 180W by UP36 Hub (100-240Vac,47-63Hz,7.5A) power adapter (optional)
- Power Switch: Orange: standby/Green: power on

1.2.3 USC-360D

- 1.2.3.1 General Specifications
 - Processor: Rockchip RK3568 quad-core Cortex.-A55
 - Memory: 4GB DDR4 onboard
 - Storage: 32GB onboard eMMC, Micro SD
 - Display: 15.6" TFT LCD (1920 x 1080), 220nit (350nits optional)

- **Touch Panel:** Projected capacitive (P-CAP) touch control (flat glass)
- USB: 3 x USB-C (One for DP, one for DC in, one for IO Hub), 2 x USB 3.0, 1 x USB 2.0 (broadside)
- Audio: 2 x 2W speaker installed. 1 x Line out
- Power Supply: 65W via power adapter
- Bus Expansion: 1 x Mini PCIe for 4G (optional)
- Ethernet: 1 x RJ45 10/100/1000 Mbps (PoE optional) / Onboard WIFI 5+BT module (optional)
- Operating System: Android 12, Linux
- **Cash Drawer:** 1 x cash drawer port
- USB-C Input: 20 VDC
- IP Rating: IP65 for front panel
- Dimensions (W x H x D): 381 x 230.4 x 31.5 mm
- Weight: 4 kg (Net); 4.5 kg (Gross)
- Color: Black
- I/O on extension HUB:

UP36 Power USB Hub: 2 x COM, 3 x 12V Power USB, 1 x 24V Power USC, 2 x USB 2.0, 1 x USB C, 1 x DC IN (powered by 180W adapter) UP37 COM Port Hub: 4 x COM (RJ-48 connector), 1 x USB C Input, 6 x USB 2.0 (powered by USC-360 65W adapter

1.2.3.2 Environmental Specifications

- Operating Temperature: 0 ~ 40 °C (32 ~ 104°F)
- Relative Humidity: 10 ~ 90% @ 40 °C/104 °F
- **Shock:** 10G peak acceleration (11 ms duration)
- Vibration: 5 ~ 500 Hz 0.5 Grms, random
- Certification: FCC, CE, CCC, BSMI, UL, CB, BIS
- 1.2.3.3 Power
 - Power Input Voltage: 65W (100-240Vac,47-63Hz,1.5A) power adapter / 180W by UP36 Hub (100-240Vac,47-63Hz,7.5A) power adapter (optional)
 - **Power Switch:** Orange: standby/Green: power on

1.3 Dimensions



Figure 1.1 USC-360 dimensions



System Setup

This chapter details system setup on USC-360.
Sections include:
■ A Quick Tour of the Device
■ Installation Procedures
■ BIOS Setup

2.1 A Quick Tour of the Device

Before setting up the device, take a moment to familiarize yourself with the functions of the controls, drivers, connectors, and ports located on the front panel, as illustrated in the figures below.

When you place the USC-360 upright on the desktop, its front panel appears as shown in Figure 2.1.



Figure 2.1 Front view of USC-360

Turn the computer to view the I/O, as shown in Figures 2.2 and 2.3. The I/O interfaces includes serial ports, USB slots, Ethernet port, RJ-11, power inlet.



Figure 2.2 Rear view of USC-360



Figure 2.3 IO Connectors of USC-360

2.2 Installation Procedures

2.2.1 Connecting the Power Cord

This product only supports DC power (12VDC, max. 65W). Be sure to hold the plug end when plugging or unplugging the power cord.

2.2.2 Connecting the Mouse and Keyboard

Connect the mouse and keyboard via the USB ports located in the I/O section at the rear of the computer.

2.2.3 Activating the Power Source

Verify that the power cord is connected to the power input port of the device. Then connect the plug end of the power cord to the wall power outlet.

2.3 USC-360H BIOS Setup

2.3.1 Introduction

With the AMI BIOS Setup program, you can modify BIOS settings to control the special features of your computer. The Setup program uses a number of menus for making changes. This chapter describes the basic navigation of the series system setup screens.

2.3.2 BIOS Setup

The Series system has AMI BIOS built in, with a SETUP utility that allows users to configure required settings or to activate certain system features.

The SETUP saves the configuration in the FLASH of the motherboard. When the Power is turned off; the battery on the board supplies the necessary power to pr serve the FLASH. When the power is turned on, press the or <Esc> button during the BIOS POST (Power-On Self-Test) to access the CMOS SETUP screen.

Table 2.1: Control Keys				
$\leftarrow \!$	Select Screen			
< ↑ >< ↓ >	Select Item			
<enter></enter>	Select			
<+/->	Change Opt			
<f1></f1>	General help			
<f2></f2>	Previous Values			
<f3></f3>	Optimized Defaults			
<f4></f4>	Save & Exit			
<esc></esc>	Exit			

2.3.2.1 Main Menu

Press or <Esc> to enter AMI BIOS CMOS Setup Utility, the Main Menu will appear on the screen. Use arrow keys to select among the items and press <Enter> to accept or enter the sub-menu.

Main Advanced Chipset S	Aptio Setup – AMI ecurity Boot Save & Exit	
BIOS Information BIOS Vendor Core Version Compliancy Project Version Build Date and Time Access Level	American Megatrends 5.0.1.9 0.11 x64 UEFI 2.7.0; PI 1.6 UP04000UP60X012 01/19/2022 14:31:01 Administrator	Set the Date. Use Tab to switch between Date elements. Default Ranges: Year: 1998–9999 Months: 1–12 Days: Dependent on month Range of Years may vary.
Memory Configuration Total Memory Memory Frequency	8192 MB 3200 MT/s	
System Date System Time	[Fri 08/11/2023] [02:28:36]	<pre> ++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>

The Main BIOS setup screen has two main frames. The left frame displays all the options that can be configured. Grayed-out options cannot be configured; options in blue can. The right frame displays the key legend.

Above the key legend is an area reserved for a text message. When an option is selected in the left frame, it is highlighted in white. Often a text message will accompany it.

System time / System date

Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard.

Press the <Tab> key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time must be entered in HH:MM:SS format.

2.3.2.2 Advanced BIOS Features

Select the Advanced tab from the setup screen to enter the Advanced BIOS Setup screen. You can select any of the items in the left frame of the screen, such as CPU Configuration, to go to the sub menu for that item. You can display an Advanced BIOS Setup option by highlighting it using the <Arrow> keys. All Advanced BIOS Setup options are described in this section. The Advanced BIOS Setup screen is shown below. The sub menus are described on the following pages.

Aptio Setup – AMI Main Advanced Chipset Security Boot Save & Exit					
 CPU Configuration PCH-FW Configuration Trusted Computing ACPI Settings H/W Monitor Configuration USB Configuration Network Stack Configuration NVMe Configuration 	CPU Configuration Parameters				
	<pre>++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>				
Version 2.21.1278 Copyright (C) 2022 AMI					

CPU Configuration

Aptio Setup - AMI Advanced					
CPU Configuration		To turn on/off the MLC			
Type ID Speed L1 Data Cache L1 Instruction Cache L2 Cache L3 Cache L4 Cache VMX SMX/TXT	11th Gen Intel(R) Core(TM) i5-1145G7E @ 2.60GHz 0x806C1 2600 MHz 48 KB × 4 32 KB × 4 1280 KB × 4 8 MB N/A Supported Supported	++: Select Screen			
CPU Flex Ratio Settings Hardware Prefetcher Adjacent Cache Line Prefetch Intel (VMX) Virtualization Technology Active Processor Cores Hyper-Threading	26 [Enabled] [Enabled] [Enabled] [Enabled]	<pre>fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>			
Version 2.21.1278 Copyright (C) 2022 AMI					

PCH-FW Configuration

Advanced	Aptio Setup – AMI			
ME Firmware Version ME Firmware Mode ME Firmware SKU ME Firmware Status 1 ME Firmware Status 2	15.0.42.2268 Normal Mode Corporate SKU 0x90000255 0x39858106	Configure Management Engine Technology Parameters		
ME State	[Enabled]			
▶ Firmware Update Configuration		<pre>++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>		
Version 2.21.1278 Copyright (C) 2022 AMI				

TPM

Advanced	Aptio Setup – AMI	
TPM 2.0 Device Found Firmware Version: Vendor: Security Device Support	7.63 IFX [Enable]	Enables or Disables BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INT1A interface will not be
Active PCR banks Available PCR banks	SHA256 SHA-1,SHA256	available.
SHA-1 PCR Bank SHA256 PCR Bank	[Disabled] [Enabled]	
Pending operation Platform Hierarchy Storage Hierarchy	[None] [Enabled] [Enabled]	++: Select Screen
Endorsement Hierarchy TPM 2.0 UEFI Spec Version Physical Presence Spec Version	[Enabled] [TCG_2] [1.3]	1∔: Select Item Enter: Select +/-: Change Opt.
Device Select	[Auto]	F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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ACPI Settings



- Enable ACPI Auto Configuration [Disabled]
 Enable or disable BIOS ACPI auto configuration.
- Enable Hibernation [Enabled]
 Enables or Disables System ability to Hibernate. This option may be not effective with some OS.

ACPI Sleep State [S3(Suspend to RAM)]
 Select ACPI sleep state the system will enter when the SUSPEND button is pressed.

Hardware Monitor

Advanced	Aptio Setup – AMI	
PC Health Status		
CPU temperature System Ambient	: +56 °C : +45 °C	
VCore 12V VBAT +5V +5VSB	: +1.328 V : +11.904 V : +3.088 V : +4.978 V : +5.004 V	<pre>++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
	Version 2.21.1278 Copyright (C)	2022 AMI

USB Configuration

Advanced	Aptio Setup – AMI				
USB Configuration		Enables Legacy USB support.			
USB Module Version	26	AUTO Option disables legacy support if no USB devices are connected_DISABLE option will			
USB Controllers: 2 XHCIs		keep USB devices available only for EFI applications.			
USB Devices: 1 Drive, 1 Keyboard, 1 Mouse,	1 Point, 1 Hub				
Legacy USB Support XHCI Hand-off USB Mass Storage Driver Support	[Enabled] [Enabled] [Enabled]				
USB handware delays and time outer	[Endored]	the Salast Sanaan			
USB therefor time out	[20, coc]	TI: Select Item			
Device reset time-out	[20 Sec]	Fnter: Select			
Device nower-un delau	[Auto]	+/-: Change Ont			
bevice power up derug	[nato]	F1: General Heln			
Mass Storage Devices:		F2: Previous Values			
KingstonDataTraveler 3.0	[Auto]	F3: Optimized Defaults			
		F4: Save & Exit			
		ESC: Exit			
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- Legacy USB Support [Enabled]
 Enables support for legacy USB. Auto option disables legacy support if no USB devices are connected.
- XHCI Hand-off [Enabled] USB Mass Storage Driver Support [Enabled]
- Mass Storage Devices [Auto] Shows USB mass storage device information

Network Stack Configuration

Network Stack [Disabled] Enable/Disable UEFI Network Stack **: Select Screen **: Select Item Enable/Disable UEFI Network This Select Item Enable/Disable UEFI Network Stack **: Select Screen This Select Item Enable/Disable UEFI Network Stack **: Select Screen This Select Item Enable/Disable UEFI Network Stack **: Select Screen This Select Item Enable/Disable UEFI Network Stack **: Select Screen This Select Item Enable/Disable UEFI Network Stack Stack Stack Stack	Advanced	Aptio Setup – AMI	
<pre> ++: Select Screen tl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>	Network Stack	[Disabled]	Enable/Disable UEFI Network Stack
			<pre>++: Select Screen 1↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>

NVMe Configuration



2.3.2.3 Chipset Configuration Setting

Select the chipset tab from the BIOS setup screen to enter the Chipset Setup screen. Users can select any item in the left frame of the screen, The Chipset Setup screens are shown below. The submenus are described on the following pages



Chipset	Aptio Setup — AMI	
System Agent (SA) Configuration		Memory Configuration Parameters
VT-d	Supported	
▶ Memory Configuration		<pre>++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Vencion	2 21 1278 Copuright (C) 2022	AMT

Chipset	Aptio Setup — AMI	
Memory Configuration		
Memory RC Version Memory Frequency Memory Timings (tCL-tRCD-tRP-tRAS) Controller O Channel O Slot O Size Number of Ranks Manufacturer Controller 1 Channel O Slot O	2.0.2.6 3200 MT/s 22-22-22-52 Populated & Enabled 8192 MB (DDR4) 1 UnKnown Not Populated / Disabled	<pre>++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2	.21.1278 Copyright (C) 2022	AMI



Chipset	Aptio Setup – AMI	
PCH−IO Configuration ► SATA Configuration Restore AC Power loss Wake on LAN Enable	[Power On] [Disabled]	Specify what state to go to when power is re–applied after a power failure (G3 state).
	Restore AC Power loss Power On Power Off Last State	<pre>+: Select Screen 4: Select Item nter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Ven	sion 2.21.1278 Copyright (C) 202	2 AMI

Restore AC Power Loss [Power off] AC power loss power off/Power on

Chipset	Aptio Setup – AMI	
 PCH-IO Configuration ► SATA Configuration Restore AC Power loss Wake on LAN Enable 	[Power On] [Disabled]	Enable/Disable integrated LAN to wake the system.
	Wake on LAN Enabl Enabled Disabled	<pre>++: Select Screen ++: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>

Wake on LAN [Enable]

Enable or disable Wake on LAN function

2.3.2.4 Security Configuration Setting

Aptio Setup – AMI Main Advanced Chipset <mark>Security Boot</mark> Save & Exit			
Password Description		Set Administrator Password	
If ONLY the Administrator's password then this only limits access to Setu only asked for when entering Setup. If ONLY the User's password is set, is a power on password and must be e boot or enter Setup. In Setup the Us have Administrator rights. The password length must be in the following range: Minimum length	is set, up and is then this entered to ser will		
Maximum length Administrator Password	20		
User Password		Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values	
HDD Security Configuration: P1:SQF-SM8M4-128G-SBC		F3: Optimized Defaults F4: Save & Exit	
▶ Secure Boot			
Version 2	2.21.1278 Copyright (C) 2022	AMI	

Administrator Password

Select this option and press <ENTER> to access the sub menu, and then type in the password. Set the Administrator password.

User Password

Select this option and press <ENTER> to access the sub menu, and then type in the password. Set the User Password.

2.3.2.5 Boot Configuration

Main Advanced Chipset S	Aptio Setup – AMI ecurity <mark>Boot</mark> Save & Exit	
Boot Configuration Setup Prompt Timeout Bootup NumLock State Quiet Boot	<mark>1</mark> [On] [Disabled]	Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.
Boot Option Priorities Boot Option #1	[Windows Boot Manager (P1: SDF-SM8M4-1286-SBC)]	
Boot Option #2	[UEFI: Built-in EFI Shell]	
Boot Option #3	[Disabled]	
		++: Select Screen ↑↓: Select Item
		Enter: Select +/–: Change Opt.
		F1: General Help F2: Previous Values
		F3: Optimized Defaults F4: Save & Exit
		ESC: Exit
Version 2.21.1278 Copyright (C) 2022 AMI		

Setup Prompt Timeout User the <+> and <-> keys to adjust the number of seconds to wait for setup activation key.

- Bootup NumLock State [On] On or Off power on state for the NumLock
- Boot Option #1/#2/#3 Choose boot priority from boot device

2.3.2.6 Save & Exit Configuration Setting

Main Advanced Chipset	Aptio Setup – AMI Security Boot <mark>Save & Exit</mark>	
Save Options Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset Save Changes Discard Changes Default Options Restore Defaults Save Save Defaults		Exit system setup after saving the changes.
Restore User Defaults Boot Override UEFI: Built-in EFI Shell Windows Boot Manager (P1:	SQF-SM8M4-128G-SBC)	<pre>++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
	Version 2.21.1278 Copyright (C) 2022	AMI

Save Changes and Reset

When users have completed system configuration, select this option to save changes, exit BIOS setup menu and reboot the computer to take effect all system configuration parameters.

- 1. Select Exit Saving Changes from the Exit menu and press <Enter>. The following message appears: Save Configuration Changes and Exit Now? [Ok][Cancel]
- 2. Select Ok or cancel.

Discard Changes and Reset

Select this option to quit Setup without making any permanent changes to the system configuration1. Select Reset Discarding Changes from the Exit menu and press <Enter>.

The following message appears: Discard Changes and Exit Setup Now? [Ok] [Cancel]

1. Select Ok to discard changes and reset. Discard Changes

Select Discard Changes from the Exit menu and press < Enter>.

Restore Default

The BIOS automatically configures all setup items to optimal settings when users select this option. Defaults are designed for maximum system performance, but may not work best for all computer applications. In particular, do not use the Defaults if the user's computer is experiencing system configuration problems. Select Restore Defaults from the Exit menu and press <Enter>.

Boot Override

Shows the boot device types on the system

2.4 USC-360J BIOS Setup

2.4.1 Introduction

With the AMI BIOS Setup program, you can modify BIOS settings to control the special features of your computer. The Setup program uses a number of menus for making changes. This chapter describes the basic navigation of the series system setup screens.

2.4.2 BIOS Setup

The Series system has AMI BIOS built in, with a SETUP utility that allows Users to configure required settings or to activate certain system features.

The SETUP saves the configuration in the FLASH of the motherboard. When the Power is turned off; the battery on the board supplies the necessary power to pr serve the FLASH. When the power is turned on, press the or <Esc> button during the BIOS POST (Power-On Self-Test) to access the CMOS SETUP screen.

Table 2.2: Control Keys		
$\leftarrow > < \to >$	Select Screen	
< ↑ >< ↓ >	Select Item	
<enter></enter>	Select	
<+/->	Change Opt	
<f1></f1>	General help	
<f2></f2>	Previous Values	
<f3></f3>	Optimized Defaults	
<f4></f4>	Save & Exit	
<esc></esc>	Exit	

Chapter 2 System Setup

2.4.2.1 Main Menu

Press or <Esc> to enter AMI BIOS CMOS Setup Utility, the Main Menu will appear on the screen. Use arrow keys to select among the items and press <Enter> to accept or enter the sub-menu.

Main Advanced Chipset Sec	Aptio Setup – AMI urity Boot Save & Exit	
BIOS Information BIOS Vendor Core Version Compliancy Project Version Build Date and Time Access Level	American Megatrends 5.0.1.9 0.18 x64 UEFI 2.7; PI 1.6 UP05000060X011 08/11/2023 14:12:41 Administrator	Set the Date. Use Tab to switch between Date elements. Default Ranges: Year: 1998–9999 Months: 1–12 Days: Dependent on month Range of Years may vary.
Memory Information Total Memory Memory Frequency	4096 MB 3200 MHz	
System Date System Time	[Fri 08/11/2023] [00:52:48]	++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Ve	rsion 2.22.1282 Copyright (C) 2	2023 AMI

The Main BIOS setup screen has two main frames. The left frame displays all the options that can be configured. Grayed-out options cannot be configured; options in blue can. The right frame displays the key legend.

Above the key legend is an area reserved for a text message. When an option is selected in the left frame, it is highlighted in white. Often a text message will accompany it.

System time / System date

Use this option to change the system time and date. Highlight System Time or System Date using the <Arrow> keys. Enter new values through the keyboard.

Press the <Tab> key or the <Arrow> keys to move between fields. The date must be entered in MM/DD/YY format. The time must be entered in HH:MM:SS format.

2.4.2.2 Advanced BIOS Features

Select the Advanced tab from the setup screen to enter the Advanced BIOS Setup screen. You can select any of the items in the left frame of the screen, such as CPU Configuration, to go to the sub menu for that item. You can display an Advanced BIOS Setup option by highlighting it using the <Arrow> keys. All Advanced BIOS Setup options are described in this section. The Advanced BIOS Setup screen is shown below. The sub menus are described on the following pages.



CPU Configuration

CPU Configuration Type ID Speed Microcode Revision L1 Data Cache L1 Instruction Cache	Intel(R) Celeron(R) J6412 @ 2.00GHz 0x90661 2000 MHz 17 32 KB x 4 32 KB x 4	To turn on/off the MLC streamer prefetcher.
Type ID Speed Microcode Revision L1 Data Cache L1 Instruction Cache	Intel(R) Celeron(R) J6412 @ 2.00GHz 0x90661 2000 MHz 17 32 KB x 4 32 KB x 4	streamer pretetcher.
L2 Cache	1536 KB × 4	
L3 Cache L4 Cache VMX	4 MB N/A Supported	
SMX/TXT	Not Supported	↔: Select Screen †∔: Select Item
Hardware Prefetcher Intel (VMX) Virtualization Technology	[Enabled] [Enabled]	Enter: Select +∕–: Change Opt. F1: General Help
Active Processor Cores #AC Split Lock	[All] [Disabled]	F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

Power & Performance

Aptio Setup – AMI Advanced	
Power & Performance	CPU – Power Management Control
▶ CPU – Power Management Control	
	++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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CPU - Power Management Control



PCH-FW Configuration

Advanced	Aptio Setup – AMI	
ME Firmware Version ME Firmware Mode ME Firmware SKU ME Firmware Status 1 ME Firmware Status 2 ME State	15.40.27.2735 Normal Mode Consumer SKU 0×90000255 0×30850116 [Enabled]	When Disabled ME will be put into ME Temporarily Disabled Mode.
▶ Firmware Update Configuration		
		<pre>++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2.22.1282 Copyright (C) 2023 AMI		

Aptio Setup - AMI Advanced "W Image Re-Flash [Disabled] Enable/Disable Me FW Image Re-Flash function. "#: Select Screen 11: Select Item Enter: Select +-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit

Firmware Update Configuration

TPM

Advanced	Aptio Setup – AMI	
TPM 2.0 Device Found Firmware Version: Vendor: Security Device Support Active PCR banks Available PCR banks SHA256 PCR Bank Bending operation	7.85 IFX [Enable] SHA256 SHA256 [Enabled]	Enables or Disables BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INT1A interface will not be available.
Platform Hierarchy Storage Hierarchy Endorsement Hierarchy Physical Presence Spec Version TPM 2.0 InterfaceType Device Select	[Enabled] [Enabled] [Enabled] [1.3] [TIS] [Auto]	++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
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ACPI Settings



- Enable ACPI Auto Configuration [Disabled]
 Enable or disable BIOS ACPI auto configuration.
- Enable Hibernation [Enabled]
 Enables or Disables System ability to Hibernate. This option may be not effective with some OS.
- ACPI Sleep State [S3(Suspend to RAM)]
 Select ACPI sleep state the system will enter when the SUSPEND button is pressed.

Hardware Monitor

Advanced	Aptio Setup – AMI	
PC Health Status		Enabled or Disabled Watch Dog Timer function
CPU temperature System Ambient	: +41 °C : +36 °C	
VCore 12V VBAT +5V +5VSB	: +1.656 V : +12.000 V : +2.912 V : +5.040 V : +5.056 V	
Watch Dog Timer	[Disabled]	<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Ven	sion 2.22.1282 Copyright (C) 2	2023 AMI

S5 RTC Wake Settings

Advanced	Aptio Setup – AMI	
Wake system from S5	[Disabled]	Enable or disable System wake on alarm event. Select FixedTime, system will wake on the hr::min::sec specified. Select DynamicTime , System will wake on the current time + Increase minute(s) ++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Ver	rsion 2.22.1282 Copyright (C) 2023 AMI

USB Configuration

Advanced	Aptio Setup – AMI	
USB Configuration		Enables Legacy USB support.
USB Module Version	25	support if no USB devices are connected. DISABLE option will
USB Controllers: 1 XHCI		keep USB devices available only for EFI applications.
USB Devices: 1 Drive, 1 Keyboard		
Legacy USB Support XHCI Hand-off USB Mass Storage Driver Support	[Enabled] [Enabled] [Enabled]	
USB hardware delays and time-outs:	[00]	++: Select Screen
Device reset time-out	[20 sec] [20 sec]	I∔: Select Item Enter: Select
Device power-up delay	[Auto]	+/-: Change Opt.
Mass Storage Devices:		F1: General Help F2: Previous Values
USB	[Auto]	F3: Optimized Defaults
		F4: Save & Exit ESC: Exit
Version 2	.22.1282 Copyright (C) 2023	AMI

- Legacy USB Support [Enabled] Enables support for legacy USB. Auto option disables legacy support if no USB devices are connected.
- XHCI Hand-off [Enabled]
- USB Mass Storage Driver Support [Enabled]
- Mass Storage Devices [Auto] Shows USB mass storage device information

Network Stack Configuration

Advanced	Aptio Setup — AMI	
Network Stack	[Disabled]	Enable/Disable UEFI Network Stack
		<pre>++: Select Screen fl: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Versi	on 2.22.1282 Copyright (C) 2023	AMI

2.4.2.3 Chipset Configuration Setting

Select the chipset tab from the BIOS setup screen to enter the Chipset Setup screen. Users can select any item in the left frame of the screen, The Chipset Setup screens are shown below. The submenus are described on the following pages

Main Advanced Chipset Security Bo	:io Setup - AMI Save & Exit
 System Agent (SA) Configuration PCH-IO Configuration 	System Agent (SA) Parameters **: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Version 2.23	1282 Copyright (C) 2023 AMI

Chipset	Aptio Setup – AMI	
System Agent (SA) Configuratio	n	Memory Configuration Parameters
VT-d	Supported	
 Memory Configuration Graphics Configuration VT-d 	[Enabled]	
		<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Ver	sion 2.22.1282 Copyright (C) 2023 AMI

Chipset	Aptio Setup – AMI	
Memory Configuration		Sets Refresh Panic Watermark
Memory RC Version Memory Data Rate Memory Timings (tCL-tRCD-tRP-tRAS)	0.0.4.111 3200 MHz 22-22-22-52	Watermark to HIGH or LOW values
DIMMA1 Size Number of Ranks Manufacturer	Not Populated / Disabled 4096 MB (DDR4) 1 Advantech Co Ltd	
Refresh Watermarks	[High]	
		<pre>++: Select Screen f4: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2	.22.1282 Copyright (C) 2023	AMI
Chipset	Aptio Setup – AMI	
---	--	---
Graphics Configuration		Select the GTT Size
GTT Size Aperture Size DVMT Pre-Allocated DVMT Total Gfx Mem Configure GT for use	[8MB] [256MB] [60M] [256M] [Enabled]	
		<pre> ++: Select Screen f↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>

Chipset	Aptio Setup – AMI	
PCH-IO Configuration		SATA Device Options Settings
 ► SATA Configuration ► HD Audio Configuration 		
Restore AC Power Loss Deep Sleep PCIE Wake	[Power Off] [Disabled] [Disabled]	
		<pre>++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
Version 2.	22.1282 Coouright (C) 2023	AMT

Restore AC Power Loss [Power off] AC power loss power off/Power on

PCIE Wake [Enable] Enable or disable Wake on LAN function

Chip	Aptio Setup – AMI Dset	
HD Audio Subsystem Co	onfiguration Settings	Control Detection of the
HD Audio	[Enabled]	Disabled = HDA will be unconditionally disabled Enabled = HDA will be unconditionally enabled.
		<pre>++: Select Screen f↓: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
	Version 2.22.1282 Copyright (C) 2023 AMI

2.4.2.4 Security Configuration Setting

Main Advanced Chipset	Aptio Setup – A Security Boot Save & Exit	MI :
Password Description		Set Administrator Password
If ONLY the Administrator' then this only limits acce only asked for when enteri If ONLY the User's passwor is a power on password and boot or enter Setup. In Se have Administrator rights. The password length must b in the following range: Minimum length	s password is set, ss to Setup and is ng Setup. d is set, then this must be entered to tup the User will e 3	
Maximum length Administrator Password User Password	20	++: Select Screen 14: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
	Version 2.22,1282 Copyrigh	nt (C) 2023 AMI

Administrator Password

Select this option and press <ENTER> to access the sub menu, and then type in the password. Set the Administrator password.

User Password

Select this option and press <ENTER> to access the sub menu, and then type in the password. Set the User Password.

	Aptio Setup – AMI Security	
System Mode	Setup	Secure Boot feature is Active
Secure Boot	[Disabled] Not Active	Platform Key(PK) is enrolled and the System is in User mode.
Secure Boot Mode • Restore Factory Keys • Reset To Setup Mode	[Custom]	The mode change requires platform reset
▶ Key Management		
		<pre>++: Select Screen 11: Select Item Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit</pre>
	Version 2.22.1282 Copyright (C)	2023 AMI

	Aptio Setup – AMI Security	
Vendor Keys	Valid	Install factory default Secure
Factory Key Provision Restore Factory Keys Reset To Setup Mode Export Secure Boot vari Enroll Efi Image	[Disabled] ables	reset and while the System is in Setup mode
Device Guard Ready ▶ Remove 'UEFI CA' from D ▶ Restore DB defaults	В	
Secure Boot variable	Size Keys Key Source	
Platform Key(PK)	0 0 No Keys	↔: Select Screen
Key Exchange Keys	0 0 No Keys	T4: Select Item
 Authorized Signatures; Eophiddon, Signatures; 		Enter: Select
 Forbidden Signatures; Authorized TimeStamps 		F/ Change opt. F1: General Heln
 Garden File (1997) OsRecovery Signatures 	0 0 No Keys	F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
	Version 2.22.1282 Copyright (C) 2023	B AMI

2.4.2.5 Boot Configuration



Setup Prompt Timeout

User the <+> and <-> keys to adjust the number of seconds to wait for setup activation key.

- Bootup NumLock State [On] On or Off power on state for the NumLock
- Boot Option #1/#2/#3 Choose boot priority from boot device

2.4.2.6 Save & Exit Configuration Setting

Main Advanced Chipset S	Aptio Setup – AMI ecurity Boot Save & Exit	
Save Options Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset Save Changes Discard Changes Default Options Restore Defaults Save as User Defaults		Exit system setup after saving the changes.
Restore User Defaults Boot Override UEFI: USB, Partition 1 (U UEFI: Built-in EFI Shell	SB)	 fl: Select Item fl: Select Item enter: Select enter: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
	Version 2.22.1282 Copyright (C) 2023	AMI

Save Changes and Reset

When users have completed system configuration, select this option to save changes, exit BIOS setup menu and reboot the computer to take effect all system configuration parameters.

- 1. Select Exit Saving Changes from the Exit menu and press <Enter>. The following message appears: Save Configuration Changes and Exit Now? [Ok][Cancel]
- 2. Select Ok or cancel.

Discard Changes and Reset

Select this option to quit Setup without making any permanent changes to the system configuration1. Select Reset Discarding Changes from the Exit menu and press <Enter>.

The following message appears: Discard Changes and Exit Setup Now? [Ok] [Cancel]

1. Select Ok to discard changes and reset. Discard Changes Select Discard Changes from the Exit menu and press <Enter>.

Restore Default

The BIOS automatically configures all setup items to optimal settings when users select this option. Defaults are designed for maximum system performance, but may not work best for all computer applications. In particular, do not use the Defaults if the user's computer is experiencing system configuration problems. Select Restore Defaults from the Exit menu and press <Enter>.

Boot Override

Shows the boot device types on the system

2.5 USC-360D System Setup

2.5.1 Android Lock and Home Screen

2.5.1.1 Power/Function button and gestures

The power button screen can display the menu

If the power button is pressed for more than 2 seconds, it will appear a power menu, which for shutting down the system or restarting the system

2.5.1.2 Home screen Display

The home screen is the initial screen for device navigation. You can move your favorite applications and widgets here.

If want to unlock the screen and access the home screen, please to swipe up to unlock.

At the top is the search box.

The four ICONS at the bottom are calendar, photo album, browser, and camera.

2.5.1.3 Navigation bar

Recently used applications - Return to previous page.

Home Screen - Return to the home screen

Back off - Switch between recently used applications





2.5.1.4 Notification Panel

Internet >	 Bustooth 	Andraid System USB debugging connected Taps to turn off USB debugging	^
Networks unavailable On Not Disturb Off	 Off Ø Alarm No alarm set 	Silent	×
Airplane mode Off	Ω Device controls Unevaliable →	Performance is impacted. To disable, check bootloader. SanDiak USB drive Fortunakering photos and media	~
	(6 Charging this device via USB	~
		Manage	Clear all
	* _	• •	

- The Notification panel provides quick access to setup shortcuts and notification prompt.
- Left Brightness bar
- Right Notifications
- Internet, Bluetooth, Auto rotation, Power Saving mode, Do not disturb, Alarm clock, Screen projection, Screen recording, Airplane Mode, Device Controller, Clear memory, Edit, User, Power, Settings

2.5.1.4.1 Notification panel Operation

- On the home screen, swipe down from the top of the touch screen.
- To clear a single notification prompt, drag the notification all the way to the left or right.
- To clear all notifications, click Clear.
- To customize a notification reminder, drag the notification halfway to the left or right, then click Settings.
- To exit, click on the navigation bar, or swipe up.

2.5.1.5 Application Drawer

- The Application drawer is a menu that contains all the applications installed in the device, including system settings.
- Unlike the home screen, the application drawer contains every application installed and cannot be customized.

2.5.1.5.1 Open the Application Drawer (Manager)

- Swipe up the navigation bar on the home screen.
- Click to open an application
- To exit the application drawer, click the navigation bar or swipe down.

2.5.1.5.2 Customize shortcuts and add them to the home screen

- In the application drawer, press and hold the app or (icon), then drag the icon and move the application to the home screen.
- Drag the icon to a new position and then release it.



2.5.2 System Setting

The Android Settings menu can be used to control all aspects of the device, including establishing a new Wi-Fi or Bluetooth connection, installing a third-party on-screen keyboard, adjusting system sound and screen brightness, etc.

2.5.2.1 Network and Internet

2.5.2.1.1 Wi-Fi

- Click on Wi-Fi.
- Click on Wi-Fi button to enable it.
- Select a wireless network from the list.
- Enter the network password when system prompted.
- Click Connect.
- For more network details (IP address, security, frequency, and advanced Settings), please click Network Settings

10.35 🖶 🖯	
¢	Q
Internet	
Wi-Fi	
♥ RYD-WLAN1	₿
₹ RYD-WLAN2_56	۵
♥ SU	۵
♥ SU_5G	٥
♥ XMRYD_TEST	۵
♥ 厦门锐益达电子科技_5G	۵
♀ ryd_xiao	۵
♀ 厦门说益达电子科技	٥
+ Add network	818 8+
Network preferences WFR down/tum back on automatically	
Non-carrier data usage 08 intel Jan 27 - Ad 25	

2.5.2.1.1.1 Use QR code to join Wi-Fi

- Scroll down the list of saved Wi-Fi and click.
- Click the (QR code icon "").
- Place the viewfinder on the QR code of the other device.

2.5.2.1.1.2 Use QR code to join shared Wi-Fi

- Click Setting icon ²³ of the connected device
- Click share icon SHARE

2.5.2.1.1.3 Disconnect from the connected wireless network

- Click the Setting icon 3 of the connected device
- Click the Forget icon to disconnect wireless network

2.5.2.1.2 Ethernet LAN (Gigabit)

- Connect the Ethernet cable
- Default Ethernet

2.5.2.1.3 Flight Mode

- This mode disables all wireless transmission functions. Including cellular, Wi-Fi and Bluetooth.
- To enable it, click Airplane Mode icon I.

2.5.2.1.4 USB Network Sharing

- This feature is used to share an Internet connection with other devices via a USB cable.
- Click on Hotspot and Network sharing.
- Click USB Network Sharing icon to enable it

2.5.2.1.5 Bluetooth Network Sharing

This feature is used to share an Internet connection with other devices via Bluetooth.

Click on Hotspot and Network sharing.

To enable it, click on Bluetooth Network Sharing icon

2.5.2.1.6 Ethernet Network Sharing

- This function is used to share the Internet connection with other devices through network cables.
- To enable it, click on Bluetooth Network Sharing icon .

2.5.2.1.7 Data Save mode

- If the Internet connection is established through a billing device, you can use this function to save data.
- Click Data Save mode.
- To enable it, click Use Save Mode icon

2.5.2.2 Connected Device

2.5.2.2.1 USB

٨	lote!
	É

To activate USB Settings, you must first connect the USB cable to another device or PC. When an external computer is detected, the device will appear in the USB Preferences Settings.

- Click on USB.
- Under "USB Usage" in USB Preferences, select and click the function you want to enable.

10:43 ⊕ ⊕ ←					
USB Preferences					
		ţ			
		USB			
USB controlled by					
O Connected device					
 This device 					
Use USB for					
O File Transfer					
O USB tethering					
O PTP					
No data transfer					
File transfer options					
Convert videos to AVC					b.
	4 A	• •	-0		

- File Transfer This function will share internal memory and SD memory.
- USB Network Sharing This function will share the Internet connection.
- PTP Image transfer protocol.
- No data transfer (default setting) No data is transferred even if a USB cable is connected

2.5.2.2.2 Bluetooth

Note!

Make sure the Bluetooth device is turned on and searchable.

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- Click to pair with a new device.
- In the Available Devices screen, choose a device to pair.
- A request message appears when pairing.
- Verify that the matching number is the same.
- If the pairing process requires a PIN, enter it.
- Click Pair to connect.
- Once the Bluetooth device is successfully connected, the connection will show 'Active' or 'Connected'.

2.5.2.2.1 Disconnect paired Bluetooth Device

- Return to the 'Connected Devices' screen from available media devices or previously connected devices.
- Click Settings icon ⁽²⁾ of the connected devices.

10:50 8 8			*
÷			
Connected devices			
Other designs			
to USD Charging this device			
+ Pair new device			
Previously connected devices			
🞧 Xiaomi Buds 3			۲
> See all			
Connection preferences			
Bluetooth			
0			
Visible as "rk3566" to other devices			
•			
	* * •		

In the Settings icon ³ menu, you can disconnect, forget (unpair devices), enable / disable phone calls or media audio or contact sharing.

1033 8 8 ←					
Device details					
	Xia	omi Buds 3			
E FORGET				+ CONNECT	
HD audio					
Media audio					
O Deviant Bluetauth address: 14.03.29.02.90.06					
×					
*	4	• •	4)		

2.5.2.2.3 Projection Screen 2.5.2.2.3.1 Connect wireless display devices



Ensure that devices with wireless display capabilities are connected to the same wireless network

- Click Connection Preferences.
- Click "Projection".
- Click on the : 3-point menu.
- Click Enable Wireless Display to start scanning compatible display devices.



 Click a wireless display device (such as a TV) in the list. In the wireless display device (TV), click Allow (if system prompted).

2.5.2.2.3.2 Disconnect and forget connected wireless display devices

- To stop the screen, tap a connected wireless display device (such as a TV).
- Click Disconnect.

[TV] Samsung 6 Series (50) Connected		[TV] Samsung 6 Series (50) Connected	۲
		[TV] Samsung 7 Series (50) Wireless display	
	R.	Wireless display options	٦
TV] Samsung 6 Series (50)	[TV] Samsung 6 Series (50)	
DISCONN	IECT	FORGET	E

- Click the Settings for connected wireless display devices.
- In the wireless display device options screen, click Forget.

2.5.2.2.3.3 Stop scanning and use a wireless display device for screen projection

- Click on the 3-point menu.
- Make Enable Wireless display device to leave it unchecked

Enable wireless display 🗌

2.5.2.2.4 Printer

Note! Make sure you are connected to the same network as the printer.



- Click on Connection preferences.
- Click to print.
- Click Default Print Service.
- Click the toggle switch to "On"
- Click on the 3-point menu.
- Click Add Printer.

2.5.2.2.4.1 Add a printer using a Wi-Fi printer

- If prompted, click "Allow only when using this app" to allow use of the device.
- Click Wi-Fi to start searching for a Wi-Fi printer to add.
- Click on the printer name to connect.

2.5.2.2.4.2 Add a printer by entering the IP address

- Click Add printer by IP address.
- Enter the IP address of the printer.

2.5.2.3 Application

2.5.2.3.1 Set notification

- In recently opened apps, click to view all apps or app information.
- In the application information screen, click the application Settings notification (such as keyboard).
- In application properties Settings, you can also disable, enable, and force applications to stop.
- To enable or disable notifications, click Notifications. Then select Show Notifications.
- To add a dot for unread notifications, click Advanced, then click Allow Notifications.

11.55 @ 0		1 🔻
¢.		
Ann info		
Арр што		
	Android Keyboard (AOSP)	
0		
DISABLE		ZD FORCE STOP
Notifications 0 notifications per week		
Permissions No permissions granted		
Storage & cache 199 k8 used in Internal storage		
Mobile data & Wi-Fi No data used		
Battery 0% use since last full charge		
Open by default Allow app to open supported links		
Unused apps		
Remove permissions and free up space		
	4 4 B 4	
114 8 8		
€		
Android Keyboard (AOSP)		
,		
	_	
	Android Keyboard (AOSP)	
All Android Keyboard (AOSP) notifications		
Transmiss -		
This app has not posted any notifications		
Allow patification dat		
Allow Hourisation dol		
5		
	* 4 0 11 -0	

2.5.2.3.2 Reset application preferences

This action does not cause any application data loss.

- Click the 3-point menu in the app info screen.
- Click Reset App Preferences, then click Reset App.

8 Android System						s 🕈
← App permissions				SB debugging con	nected w	
				ap to turn off USB (debugging	Ť
			Camera			
Allowed						
🗅 Camera						
Files and media						
& Microphone						
Not allowed						
O Location						
Unused apps						
Remove permissions and free up space						
7	-	•	٠		-	

2.5.2.3.3 Set up the application rights manager

- To manage your application's preferred permissions (for example, keyboard), click Permissions.
- To allow permissions for an app, click on the app in the Reject menu.
- To deny permission to an application, click on the application in the Allow menu.

11.34 🗄 🗑						+ •
+						1
App permissions						
		Android Kr	eyboard (AOSP))	
Allowed						
No permissions allowed						
Not allowed						
Contacts						
Files and media						
*						
	-				-	

- 2.5.2.3.4 Set notifications in the lock screen
- To set notifications in the lock screen, tap Notifications in the Apps and Notifications screen.
- Tap the lock screen notification. Then follow the on-screen instructions to set how notifications appear in the lock screen.

2.5.2.3.5 Set the permissions manager for applications that use memory, phone, and location

- To give permissions to an app, click the Permissions Manager in the Apps and Notifications screen.
- In the Permission Manager menu, click the application whose permissions you want to manage (for example, camera).
- Select the application to manage from the camera properties.
- To allow permissions for an app, click on the app in the Reject menu.
- To deny permission to an application, click on the application in the Allow menu.

←	Camera	۹	:
	۲		
	Camera	L.	
	Apps with this permiss pictures and record	ion can take rd video	
i	ALLOWED		
Đ	Messaging		
د	Phone		
0	Snapdragon Camera	a	
Ĩ	DENIED		
ið.	WebView Shell		

2.5.2.3.6 Set Emergency Alert

- Click Advanced in the Apps and Notifications screen.
- Click on Emergency Alerts.
- In the Alerts menu, click on a feature (such as amber light alerts) to enable or disable it.
- For sound and vibration Settings, Click Vibration to enable or disable it in Alert Preferences.
- For the alert Settings, click the alert tone.

2.5.2.3.7 Get additional Settings

- Click Advanced.
- Click the function to enable or disable it.

1697 § S	1.4
Notifications	
Manapa	
App settings Control institutions in the red-volual appa	
Notification history Store meet and another Andrications	
Conversation	
Conversations In proty conversations	
Bubbles On / Conversions on system as flowing cons	
Peag	
Device 8 age notifications Control white ages int devices are read notifications	
Notifications on lock screen trois conversions, defuid, and yiers	
General	
Do Not Disturb or	
Hide silent notifications in status bar	
Allow notification snoozing	
Notification dot on app icon	
Enhanced notifications of triagende actions review and more	

2.5.2.4 Memory

2.5.2.4.1 Internal Shared Memory

To check the status of internal memory, click "Internal Shared Storage".

2.5.2.4.2 Storage Manager

- This function helps free up memory space, and the storage manager can remove backup photos and videos from the device.
- To enable or disable , click Use Storage Manager.
- To change the date you set to remove photos and videos, click Remove Photos and Videos.
- Select the appropriate option from the options below.
- Click Back to exit.

2.5.2.5 Sound

The sound application is used to manage audio, vibration, and do not disturb.

To modify the Settings, go to \mathfrak{S} Settings \rightarrow Sound \rightarrow

2.5.2.5.1 Volume Setting

To lower or increase the volume of the following sounds, drag the slider left and right.

4:03 (5 (+	1.8						••
Sc	bund						
ſ	Media volume	•					
ç	Call volume						
U	Alarm volume						
¢	Notification volume						
Do I off	Not Disturb				-		
Med	dia player						
Sho	ertout to prevent ringing satisfield change "Press and hold press halfon" to the power rows.						
Def	ault notification sound						
	10 A	-0-	•	4)			

2.5.2.5.2 Do Not Disturbing

- Click Do not Disturb.
- Click Turn On Now to enable the Do Not Disturb.
- To manage Settings, click the function you want to manage and follow the onscreen instructions to complete the Settings.
- To disable this function, click Turn Off Now

4.04 5 5					4 🕈
THEN ON NOW					
What can interrupt Do Not Disturb					
People Some people can interrupt					
Apps No apps can interrupt					
Alarms & other interruptions Alarms and media can interrupt					
Schedules					
Schedules None					
General					
Duration for Quick Settings Until you turn off					
Display options for hidden notifications No visuals or sound from notifications					
•	-4-		49		

2.5.2.5.3 Default Notification Sound

- Click the default notification sound.
- Select a sound from the list, such as Pixie Dust, and click OK to save.



2.5.2.5.4 Default Alarm Sound

- Click the default alarm sound.
- Select an alarm sound from the list, such as Cesium, and click OK to save.

4:14 5	1.6			* •
÷	Sound	Default alarm sound		
e	Call volume	Cesium		
2		O Fermium		
Ø	Alarm volume	O Hassium		
		O Helium	•	
۵	Notification volume	O Krypton		
		O Neon	•	
Do	Not Disturb	O Neptunium		
Mo	dia	O Nobelium		
Shor	e player	O Osmium		
	intout to prevent ringing	O Oxygen		
	and put the state have say just break party of the base party of	O Piezo Alarm		
Def On T	ault notification sound	O Platinum		
Dat	ault alarm cound	O Platinum		
Cest	an ann sound	O Plutonium		
Scr	een locking sound		CANCEL OK	
1.44	1			-
		• • •	•)	

2.5.2.5.5 Advanced

To enable or disable , the following features, click on a feature.

4:15 ₿ ₿ ← Sound						• •
A Notification volume				 	 	
Do Not Disturb						
Media Show player						
Shortcut to prevent ringing To make first charge "these and held power button" to the power menu.						Ĩœ
Default notification sound On The Hunt						
Default alarm sound Cesium						
Screen locking sound						
Charging sounds and vibration						
Touch sounds						
Enable DP sound						
	4	•	•	4)		

2.5.2.6 Display

- Display the display Settings of the application management screen.
- To modify the display Settings, go to $^{\textcircled{3}}$ Settings \rightarrow Display \rightarrow

2.5.2.6.1 Brightness level

- Click on brightness level.
- Move the slider left and right to adjust the screen brightness.

2:57 8 8						* •
					۲	
Display						
Brightness						
Brightness level						
Adaptive brightness						
Lock display						
Lock screen Show all notification content						
Screen timeout After Never of inactivity						
Appearance						
Dark theme Will never turn on automatically						
	nij)	•	٠	۵		

2.5.2.6.2 Dark theme

To switch the screen theme to dark (black) or light (white), enable or disable

2.5.2.6.3 Screen Timeout

- Click "Screen Timeout".
- Select a time limit from the options below
- Click Save.

3:01 ⊖ ←	6					* •
Sc	creen timeout					
۲	Never					
0	15 seconds					
0	30 seconds					
0	1 minute					
0	2 minutes					
0	5 minutes					
0	10 minutes					
0	30 minutes					
		-eb	•	•	4)	

2.5.2.6.4 Auto Rotating Screen

Click Auto rotate screen to enable or disable.

2.5.2.6.5 Font Size

- Click "Font Size".
- Move the slider left and right to adjust the text size

<section-header> • Construct the construction of the constraint of the constraint of the construction of the</section-header>	101 5 5		
<section-header> For some and the source of the sou</section-header>	~		
Support Diamond Comparison Comparison <tr< th=""><th>Font size</th><th></th><th></th></tr<>	Font size		
There were many propily, tree, worren and children, walking about, and these were all denised in green obtains and the children all and the children all the ch	Sample text The Wonderful Wizard of Oz Chapter 11: The Wonderful Emerala City of Oz Even with yeap potential primerala City of Oz Even with yeap potential primerala City of Oz Even with yeap potential to the internative bootset all built of green marifies and studied everywhere with spackforg ammalab. They waked over a pavement of the same green marifies and studied everywhere with spackforg ammalab. They waked over a pavement of the same green marifies and studied everywhere with spackforg ammalab. They waked over a pavement of the same green marifies and where the blocks are primer together even of green glass.	Default A Make the text on screen smaller or larger.	A
There seemed to be no horses nor avienatio of any kind; the mean careled things around in little green carets, which they pushed before them. Everyone seement huggy and contentied and prospersus.	There even many people, men, women and children, walking about, and these were all desired in green clothes and had greenish alian. They looked at Dourthy and the intransity associed company with wondering oper, and the children all man any and blother their motions when they are block, but no ere possible them. Alian alian structure and alian structure and the children all many and and blother their motions when they are block block to block them. Alian alian structure and the children all even any experiment of the structure and the structure and the structure and the structure and the structure and well as green shores, green hat and green dothers of all corts. At one place a man was alloing green temorable, and when the children bought 10 costing cuit are that they great for it with green previous.		
Preview • • • • • • •	There seemed to be no horses not animals of any kind, the men cannot through around in little green carts, which they pushed before them. Everyone seemed happy and contented and prespersus.		
	Preview		
* * * * *			
• • • • •			
	* * *	• • •	

2.5.2.6.6 Display Size

- Click "Display Size".
- Move the slider left and right to adjust the display size.

3:01 ⊕ ⊕ ←								**
Display size								
			Hi Petel Tue 6:00PM	A		•	Default	
Hey, want to grab co	ffee and catch up today?				— Make the items position.	on your screen sm	haller or larger. Some a	+ pps on your screen may change
Sound Tue 6.02	s great. I know of a good p	place not too I	far from here.	A				
Perfect! The 6-03PM				×				
Preview								
	•••	-	4			4 0		

2.5.2.6.7 Screen Saver

- Click "Screen Saver".
- Click the "current screen saver" to make changes to the current Settings.

3 -05 6 8					• •
÷					
Screen saver					
Current screen saver					
When to start					
While docked					
		START NOW	li.		
	-			4)	

- Select screensavers from clock, color, picture frame, and photo table.
- To use other clocks, photo frames, and photo console screensavers, click Settings.



To activate the screensaver, click "Start Now".

START NOW

2.5.2.6.8 HDMI

- Click on HDMI
- Click Resolution Settings
- Switching resolution

3.54 ₿ ₿ 							+•
Settings							
Bcrean Setting							
Resolution							
Screen Zoom	 Auto 1366x 	768p60 82 0					
			•	•	•)		

2.5.2.6.9 Screen Scaling

Screen top and bottom border scaling



2.5.2.6.10 Wallpaper

- Click on the wallpaper.
- Select a wallpaper from the options below.
- Dynamic wallpaper
- Photo gallery
- Wallpaper
- Select the image or picture from the folder that you want to use as your wallpaper.
- Click "Set Wallpaper".



2.5.2.6.11 Debug mode

- Enable debug mode
- Connect to PC device
- Enable display Navigation bar Show Navigationbar

B. Android System				2 *
← Display		6	USB debug	ugging connected *
Dark theme Will turn on automatically at 10:00 PM			Tap to turr	im off USB debugging
Font size Default				
Display size Small				
Color				
Colors				
Other display controls				
DEBUG				
Show Navigationbar				
Show Statusbar				
StatusBar allow dropdown				
Auto-rotate screen				
Screen saver				
	-0	•		

Enable display StatusBar — Show Statusbar

Other display controls					
DEBUG					
Show Navigationbar					
Show Statusbar					
StatusBar allow dropdown					
Auto-rotate screen					
Screen saver					
	-	•	•	•)	

Chapter 2 System Setup

Enable StatusBar allow dropdown

Screen saver	
Auto-rotate screen	
StatusBar allow dropdown	
Show Statusbar	
Show Navigationbar	
DEBUG 🦌	
Other display controls	

2.5.2.7 Accessibility

- To modify the Settings, go to ${}^{\textcircled{3}}$ Settings \rightarrow Accessibility
- Select the function you want to change from the menu.
- Text and display
- Font size
 - Display size
 - Bold text
 - Color inversion
 - High contrast text
 - Color correction
 - Remove animation
 - Large mouse pointer
 - Magnification

29 5	8				*	•
4						
Te	xt and display					
π	Font size Default					
۵	Display size Small					
в	Bold text				0	
ø	Color inversion off					
High	contrast text				0	
Experi	nental					
1	Color correction					
Rem	ove animations				0	
Larg	e mouse pointer				0	
		4	•	•	4)	



- Open and close shortcuts
- Amplification mode
- Select the amplification mode you want
- Time control

436 🖯 🕄					s •
÷					
Timing controls					
2.000.00					
Touch & hold delay Short					
Time to take action (Accessibility timeout)					
Default					
Autoclick (dwell timing)					
Off					
	ah			4b	
	.	-	-	ч ^у	

- Touch and hold delay
- Short-medium-long
- Wait operation duration
- Select the corresponding duration as required
- Autoclick

O Gesture navigation

3-button navigation

tons at the bottom of y

38 B B ←		4 •
Autoclick (dwell timing)		
) Off		
O Short 0.2 seconds		
O Medium 0.6 seconds		
O Long 1 second		
O Custom		
 System controls System navigation Vibration and touch street 	ength	**
~		
System navigation		

up from the bottom, hold, then release. To go back, swipe from either the left or right edge

1

(3)

- The Ring vibrates
- Notification vibration
- Touch feedback

442 5 5		4 v
2		
Vibration & haptic strength		
Ring vibration		
Notification vibration		
Touch feedback		
wit		
	• • • • •	
Cantion preference		
- Caption preference		
- Show capitons		
4.43 8 8		1.4
÷		
Caption proformance		
Caption preferences		
Snow captions		
Caption size and style Default text size		
More options		
Not an apps support these caption preferences		

- Select whether to enable it as required
- Audio adjustment

443 € 6 ←	4 T
Audio adjustment	
Mono audio Combine channels when playing audio	
Audio balance	
Left	Right
nto nel	
Soloct whether to enable it as required	
 Accessibility shortcuts 	
44 9 9 4	**
Accessibility shortcuts	
Accessibility button Quickly accessibility features	
Shortcut from lock screen Allow feature shortcut to turn on from the lock screen. Hold both volume keys for a few seconds.	

2.5.2.8 Security

To modify security Settings, go to \mathfrak{S} Settings \rightarrow Security

2.5.2.8.1 Screen lock

- Click "Screen Lock".
- Select the security you want to set from the menu.

2.5.2.8.2 Swipe Security

Click "Swipe".

2.5.2.8.3 Pattern Security

- Click on "Pattern".
- Click "Yes".
- Draw the security pattern (for example in this picture) and click "Next".

420 B B			
	A	Pattern recorded	
	Set a pattern		
	For added security, set a pattern to unlock the tablet		
		•	
	CLEAR	NEXT	
		• •	

- Draw the same pattern again and click "Confirm".
- Follow the on-screen instructions and click "Done"

2.5.2.8.4 PIN Code Security

- Click "PIN".
- Click "Yes".
- Enter the PIN code (minimum 4 digits) and click "Next".
- Re-enter the PIN code and click "Confirm".
- Follow the on-screen instructions and click "Finish".

420 5 6			
	₿ Set a PIN	For added security, set a PIN to unlock the tablet	
	×		
	CLEAR	NEX7	
	•	< ● ■ •)	

2.5.2.8.5 Password Security

- Click "Password".
- Click "Yes".
- Enter your password (minimum 4 characters) and click "Next".
- Re-enter your password and click "Confirm".
- Follow the on-screen instructions and click "Finish".

421 6 9			••
	ੈ Set a password	For added security, set a password to unlock the tablet	
*	CLEAR	NET	
		• •	

2.5.2.8.6 Unlock Screen

- To unlock the screen, Click Screen Lock.
- Enter a password when prompted (PIN, pattern, and password security only).
- Click "None" to cancel the screen lock.
- Click "Yes".
- Click "Cancel" to confirm.

2.5.2.9 Privacy

The privacy application is used to control the permissions that the application has.

To manage permissions, go to \mathfrak{B} Settings \rightarrow Privacy

330 § 8					G 1
Privacy dashboard					
		Past 24 hours			
Location Maximum paral 11 August					
Camera Microphone Microphone Microphone					
See other permissions Rody servers, Calender, end 7 more					
	* 4	•	•	4)	

2.5.2.9.1 Privacy Information Center

Shows the most recently licensed software

2.5.2.9.1.1 Privilege manager

Used to grant storage, phone, and location permissions to applications.

- To manage the permissions of your application, click the Permissions Manager.
- In the Permissions Manager menu, click the application you want to manage (for example, the camera).
- Camera permissions are displayed in camera properties.
- To allow permissions for an application, Click the application in the Reject menu.
- To deny permission to an application, Click Applications in the Allow menu.

2.5.2.9.2 Display Password

Characters are displayed briefly as the password is entered.

To enable and disable , Click Show Password.

2.5.2.9.3 Lock screen

All notifications will be displayed on the lock screen.

To enable and disable , click lock screen.

Display clipboard access notifications

To enable **and disable**, click Open **2.5.2.9.4 Location**

To change the location Settings, go to \mathfrak{B} Settings \rightarrow Location

- Click "Location."
- To enable or disable, tap "Use location."

418 8 8 ←	* •
Location	
Use location	
Recent access	
No apps recently accessed location	
> See all	
App location permissions 1 of 4 apps has access to location	
Location services	
©	
Apps with the Nearby devices permission can determine the relative position of connected devices. Learn more	
•• • • • • •	

- For apps that have recently requested a location, click to see all.
- To update permissions, click Application permissions.
- To scan for Wi-Fi networks and Bluetooth, click Scan for Wi-Fi and Bluetooth.



With this function, applications and services can scan Wi-Fi networks and Bluetooth at any time. You can use this function to improve the location-based functionality.

2.5.2.10 Account

To add an account, go to \mathfrak{S} Settings \rightarrow Accounts

- To set up an account, click "Account".
- Click "+ Add account".
- Enter an email account.
- Enter the type of account you want to add (personal POP3 or update IAMP).
- Follow the instructions to complete the setup steps.

2.5.2.11 System

To change the Settings, go to \mathfrak{S} Settings \rightarrow System

2.5.2.11.1 Language and Input

- To change the language, click on "Language and Input".
- Click on "Languages".
- Click "+ Add language" and select the language you want to add (e.g. Simplified Chinese) from the list of languages.

5:00 G	9							***
La	nguages							
1	English (United States)							=
2	简体中文(中国)							-
+	Add a language	8						
			nþ	•	•	4)		

- To change the language, such as from English to Chinese, click "English" and then click.
- Click "OK" to remove the selected language.



2.5.2.12 Hand gesture

Chapter 2 System Setup

- Click "Gestures."
- For camera gestures
 - Click "Go to camera".
 - Click "Jump to camera" to enable or disable it.
 - When set to enabled, pressing the power button twice to enable the digital camera.

2.5.2.13 System Navigation

- Click system navigation
- Choose your preferred navigation

244 € 0 €	1.4
System navigation	
O Gesture navigation To go Nome, surgers to from the location of the screen. To swetch supply, surger up from the bottom, hold, then release. To go back, surger from either the left or right edge.	۲
3-button navigation Go bask, Home, and swith support with buttom of your screen.	

2.5.2.14 Date and time

Note!

It is recommended to "use the time provided by the network" for the Date and Time setting.

If the time zone is set to "Use the time provided by the network," you need to use the network to work properly.

≤ 8 8 ←	\$++
Date & time	
Set time automatically	
Date Judy 26, 2022	
Time Dog PM	
Time zone	
Set time zone automatically	
Time zone GMT + Ok. 00 Cours Blandard Time	

To do this manually:

- Click the date and time.
- To set the date and time manually, click "Use the time provided by the network".
- Click date.
- Click time.

io6 8 8	10.40
<	
Date & time	
Set time automatically	
Date July 26, 2022	
Time 5.06 PM	

To set time zone, click "Network provided time" and select your time zone.

Time zone				
Set time zone automatically				
Time zone (GMT+08 00 Obline Standard Teme				
Time format				
Use locale default				
Use 24-hour format				
Automatic power on & off				
the second second second	-0	•	•	

To set the 12-hour format, click "Use Default location."

Time format	
Use locale default	
Use 24-hour format 1:00 PM	

To set the 24-hour format, click Use 24-hour Format.

Time format	
Use locale default	
Use 24-hour format	

2.5.2.14.1 Automatic Power on & off




Click Set Poweroff time & Poweron time

5:09 🖯 🖯		\$↔
← Date & time		
Date July 16, 2022		
Times		
S OS PM		
Time zone		
Set time zone automatically		-
	11 12 1	
Time zone GMT+03:00 China Standard Time	10 2	
- Annotation of the Annotation	5:08 • 1	
Long Footie	AM 8 4	
Use locale default		
Use 24-hour format	CANCEL OK	-
Automatic power on & off Setting power on Kolf		
Set Doweroff time		
11:00 PM		
Set Poweron time		
11.00 PM		
	◀• ◀ ● ■ ◀)	
5.09 6 5		***
← Date & time		
July 26, 2022		
Time		
5 09 PM		
Time zone		
Set time zone automatically		
	11 12 1	
CATT-08 00 China Standard Time	5:00	
Time format	5.09 %	
Use locale default	AM 8 4 PM 7 5	
	6	
Use 24-hour format	CANCEL OK	

2.5.2.15 Advanced Setting

2.5.2.15.1 Reset options

- To select the following options to reset, click Reset Options.
- Select the item you want to reset from the list, then click Execute and follow the onscreen instructions.

+					
Reset options					
See N. S. and S. S. and S. S.					
Search and Sector and Sector and					
Same di se a saled 3.5k					
Description (Secondary)					
	4	-1		-1	

2.5.2.15.2 Multiple Users

- Click "Multiple Users."
- Click switch to enable

•						1×
Multiple users						
Low Wolcow						•
Andreite (a) Yest Const (b) Antrenet (c)						
Zik mentruk da eri						
	+	٠	•	•		

2.5.2.15.3 User Switch

Click the user or name in the following options.



2.5.2.15.4 Add User



Only administrators can add users.



To set up restricted access to applications and content for users, click the instructions on the Restricted Information screen to complete account setup.

2.5.2.15.5 Remove the guest from the device

- Click the 3-point menu in the multiuser screen.
- Click to delete guest from this device.

2.5.2.15.6 Rename the administrator information

- Click
 administrator
- Enter a name.
- Click OK to save.

2.5.2.15.7 Developers (visit the Developer Options menu)

- To access the developer options menu, go to About Tablet \rightarrow Version number.
- Click the version number 7 times, you will see a message: "You are now a developer".
- Then go back to $\mathfrak{O} \rightarrow system \rightarrow advanced.$

2.5.2.15.8 Screenshot

- Screenshot Settings,
- Set the time between pressing the screenshot button and taking a screenshot, delay screenshot setting -

5:19 🖯 🖯		***
- C		
Screenshot		
Select delay time to capture the screen	Select delay time to capture the screen	
Show the screenshot button in the statusbar	15 seconds later	
	O 30 seconds later	
	O 1 minute later	
	O 2 minute later	
	O 3 minute later	
	O 4 minute later	
	O 5 minute later	
b		
	4) -4 · • • •	

Display a screenshot button on the statusbar

s20 8 8 ←						\$ ()
Screenshot						
Select delay time to capture the screen 15s later capture						
Show the screenshot putton in the statusbar						
4	 •		>	۵		
Displayed in the statusbar						
Enabled						
Not shown in the statusbar						
Closed						
5.20 B B						\$ +>
<						
Screenshot						
Select delay time to capture the screen 15s later capture						
Show the screenshot button in the statusbar						
	4		•0			

2.5.2.16 About Tablet and System Information

5.11 8 8		\$ \$ \$
÷		
About tablet		
Basic info		
Device name	Click to modify device name	
162306-3		
	٩	
	Owner	
Lengt 8, regulatory		
Logal a regulatory	Click to check legal information	
Legal Information	ensit te ensett regai mermation	
Device details		
SIM status	Click to check SIM status	
Not available		
Model rk3568_s	Click to check Model	
11.477	Click to check IMEI	
IME		

5:11 8 8		\$ 4.9
← About tablet		
Model rk3568_s		
IMEI		
Android version	Android version	
Device identifiers		
IP address fe80.296a.c64c.d3d3.8e2a 192.168.1.214	IP address information	
Wi-Fi MAC address To view, choose saved network	Wi-Fi MAC address information	
Device Wi-Fi MAC address 70:17:54:60:d3:3c	Device Wi-Fi address information	
Bluetooth address 22 22 c6 8c 03 00	Bluetooth address information	
Up time 1:10:01	Up time information	
Build number USC-360_R1 20220719.1109	System Build number	
	• • • • •	

2.6 Jumpers and Connectors

Connectors on the PCM-UP04 motherboard link it to devices such as hard disk drives and a keyboard. In addition, the board has a number of jumpers used to configure your system for your application.

The tables below list the function of each of the board jumpers and connectors. Later sections in this chapter give instructions on setting jumpers and gives instructions for connecting external devices to your motherboard.

Table 2.3: Jumpers	
Label	Function
JP1	BKLT_EN Power select
JP2	Panel_PWM Power select
JP5	Clear CMOS
JP6	ATX/AT select
JCASH1	Cash drawer + 12V/+20V select

N POWER

PIN3 3.3V

JP2

PIN1 5V PIN2 Panel PWM POWER PIN3 3.3V

JP5

This jumper allows you to clear the Real Time Clock (RTC) RAM in CMOS

JP6

PIN1 ~ PIN2 IS AT Model PIN2 ~ PIN3 IS ATX Model

JCASH1

PIN1 12V PIN2 Cash Drawer Power PIN3 20V

Note!

PCB silkscreen "?"mark PIN1



Table 2.4: Connec	ctors
Label	Function
TYPEC3	Power in Connector
CN73	Cash Drawer
CN100	Power Button & Connector
CN21	M.2 2280 M key Connector
CN23	Speaker Connector
CN25	Speaker Connector
CN30	M.2 2230 E key Connector
CN33 CN15 CN14	Internal USB Connector
CN75, CN77	Real USB3.0+USB2.0
CN80	eDP Connector
LAN1	LAN Connector
CN84	LINE OUT/MIC Connector
CN78	Power Button Connector
TYPEC1	DP/USB3.0
TYPEC2	DP/USB3.0
DIMM1	Memory Socket
CN72	GPIO Power

2.7 Capacitive Touch Extend Display Set SOP

If you use dual display, you'll refer the below instruction for touch screen

1. Open control panel, choose tablet PC, refer below picture

↑ Control Panel → All All	Control P	anel Items						
t your computer's settings								
Administrative Tools		AutoPlay	*	Backup and Restore (Windows 7)		BitLocker Drive Encryption	2	Color Management
Credential Manager	P	Date and Time	6	Default Programs	-	Device Manager	2	Devices and Printers
Ease of Access Center		File Explorer Options		File History	A	Fonts	R	Indexing Options
Internet Options	1	Keyboard	9	Mouse	-	Network and Sharing Center	1	Pen and Touch
Phone and Modem	1	Power Options	à	Programs and Features		Recovery	9	Region
RemoteApp and Desktop Connections	p	Security and Maintenance	9	Sound	₿	Speech Recognition		Storage Spaces
Sync Center	9	System		Tablet PC Settings	5	Taskbar and Navigation		Troubleshooting
User Accounts	1	Windows Defender Firewall	5	Windows Mobility Center		Work Folders		
		Administrative Tools Administrative Tools Administrative Tools Credential Manager Ease of Access Center Internet Options Phone and Modem Phone and Modem Sync Center User Accounts		• Centrel Panel • All Centrel Panel Items t your computer's settings Administrative Tools Administrative Tools Credential Manager Credential Manager Credential Manager Credential Manager Ease of Access Center Internet Options Phone and Modem Phone and Modem Sync Center Sync Center System User Accounts Security and Maintenance System	• Centrol Planel + All Centrol Planel Items • V ur computer's settings Administrative Tools Administrative Tools Internet Options Control Planel + All Centrol Planel Items Phone and Modem Phone and Modem Sync Center Sync Center Sync Center Windows Defender Windows Defender Windows Defender Windows Defender Windows Mobility Center	• • • • • • • • • • • • • • •	• • • • • • • • • • • • • • •	• • • • • • • • • • • • • • •

2. Double click "Tablet PC Setting", click setup.

Administrative	Tablet PC Settings	< 🏓	Backup and Restore (Windows 7)		BitLocker Drive Encryption	1	Color Management
Credential Mar	Display Other Configure	6	Default Programs		Device Manager	S	Devices and Printers
Ease of Access	Configure your pen and touch Setup	0	File History	A	Fonts	æ	Indexing Options
Internet Option	Display: 1 2. Multiple Monitors	>	Mouse	4	Network and Sharing Center	1	Pen and Touch
Phone and Mo	Details: Full Windows Touch Support	3	Programs and Features		Recovery	8	Region
RemoteApp ar Connections	Choose the order in which your screen rotates.	9	Sound	Ą	Speech Recognition	Ē	Storage Spaces
Sync Center	Go to Orientation	K	Tablet PC Settings	\$	Taskbar and Navigation		Troubleshooting
User Accounts		2	Windows Mobility Center	6	Work Folders		

3. USC-360 main screen will show below picture, please touch main touch screen, then Press keyboard "Enter"; then on second display see same picture, if the second display has touch function, please touch it; if the second display no touch function, then Press keyboard "Enter".

Tap this screen with a single finger to identify it as the touchscreen.

If this is not the Tablet PC screen, press Enter to move to the next screen. To close the tool, press Esc.

4. It will show below picture, then click "ok", setup finished.

Administrative	Tablet PC Settings	× Backup and Restore (Windows 7)	-	BitLocker Drive Encryption	1	Color Management
Credential Mar	Display Other Configure	Default Programs		Device Manager	2	Devices and Printer
Ease of Access	Configure your pen and touch Setup	G File History	A	Fonts	P	Indexing Options
Internet Option	Display: 1/2. Multiple Monitors	Mouse		Network and Sharing Center	1	Pen and Touch
Phone and Mo	Desails: Full windows louch support	Programs and Features	-	Recovery	8	Region
RemoteApp an Connections	Calibrate SReset	Sound	9	Speech Recognition	Ē	Storage Spaces
Sync Center	Los to Unemation	Tablet PC Settings	5	Taskbar and Navigation	A	Troubleshooting
User Accounts		Windows Mobility Center	-	Work Folders		

Adjust your computer's settings



Hardware Installation

This chapter details the hardware installation SOP.

- Sections include:
- Cover Installation
- Stand Installation
- Customer second Display Installation
- Peripheral Installation

3.1 PCB Cover and I/O Cover Installation



3.2 **SSD/RAM** and Wi-Fi Installation

3.2.1 Install RAM/SSD



and SSD. Please change the CPU pad as you disassembly the mainboard.

3.2.2 Install WIFI module on the M.2 port for USC-360J/USC-360H



White antennae: Aux

on both sides, Please change the CPU pad if as disassembly the Mainboard.

.....



3.2.3 Install WIFI module on the M.2 port for USC-360D(on board wifi module)

Step 1

Step 2



On board WiFi module



Install 1pcs Wi-Fi antennae on the wifi module



3.3 Stand, VESA Cover, Short Side Peripheral and Scanner Installation

3.3.1 Stand Installation

Step1 Find 4 holes for 4pcs screws (M4X6L) to install stand





3.3.2 VESA Cover Installation Step1 Insert to install VESA Cover



3.3.2.1 Short Side Peripheral Installation



USC-360 User Manual

3.3.3 Install Scanner on IO Side



3.4 Guest Display Installation

3.4.1 10.1" 2nd Display Rear Mount installation



3.4.2 10.1" & 15.6" 2nd Display Installation



Plug Type-C cable to Type-C

IO used for DP in USC-360.

Integrated 2nd display stand and USC-360 stand with the hook and hole in the stand base.

Make Type-C cable traverse the single hinge stand of 2nd display firstly.

USC-360 User Manual

Chapter 3

Hardware Installation

3.5 Hub Installation



Firstly put one side of Hub into the slot of base, then push the other side of the Hub down as you pull the other side of the slot outwards with your hand.



Make Type-C cable traverse the base, and then connect the cable to I/O.

3.6 Cable Routing Installation





Press and remove cable cover

Step 2



Make the I/O cables traverse the base shown as below pic and put them straight, then connect the cables to the I/O board of the screen.

Step 3



Replace cable cover



Others

A.1 USC-P05-Bxxx (Barcode Scanner for USC-360 Right I/O Side)



A.1.1 Specifications

Table A.1: Specifications		
Interface	USB	
Scanning Performance	Sensor: 640X480 CMOS Illumination: White LED Aiming: Red LED 625nm Symbologies: 2D (PDF417, QR Code, Data Matrix), 1D (Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Inter- leaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey) Recognition Accuracy: ≥4mil Scan Angles: Tilt: 360°, Pitch±60°, Skew±60° Field of View: Horizontal: 42°, Vertical: 31.5° Symbol Contrast: ≥25%	
Typical Reading Distances Standard	EAN-13: 65mm~330mm(13mil) PDF 417: 65mm~110mm(6.67mil) Code 39: 65mm~150mm(5mil) Data Matrix: 50mm~110mm(10mil) QR Code: 45mm~140mm(15mil)	
Operating Temperature	-20°C~+50°C	
Power Supply	3.3VDC±5%	

A.1.2 Packing List

Table A.2: Packing List	
Description	Quantity
Barcode Scanner Unit	1
Barcode Scanner Bracket	1

A.1.3 Ordering Information

Table A.3: Ordering Information		
P/N	Description	
USC-P05-B300	Barcode Scanner for USC-360	
USC-P05-B301	Barcode Scanner for USC-360 IO side	

A.2 96URP-F40U02-YHNGB (MSR)



A.2.1 Specifications

Table A.4: Specifications	3
Interface	USB
Reference Standards	ANSI/ISO Standards 7810, 7811-1/6, 7813
Recording Method	Two-Frequency Coherent Phase (F2F)
Decoding Method	ISO: Track1 – IATA, Track2 – ABA, Track3 –THRIFT
Card Swiping Direction	Bi-directional
Dimensions	21.01 x 46.5 x 81mm
Lift	Electronics: 125,000 hours (under normal use conditions) Head: 1,000,000 passes (number of swipes)
Operating Temperature	0~+55°C
Humidity	10~90%
Power Supply	DC 5V, Though USB Interface Cable
Card Wiping Speed	Card speed through the unit may vary from 3 ips to 100 ips (7 cm/s to 250 cm/s)

A.2.2 Packing List

Table A.5: Packing List	
Description	Quantity
Magnetic Stripe Reader Unit	1
Magnetic Stripe Reader Bracket	1

A.2.3 Ordering Information

Table A.6: Ordering Information		
P/N	Description	
96URP-F40U02-YHNGB	MSR007GH,USB,blk,slim, for USC-360	

A.3 USC-P03-B301 (RFID Scanner)



A.3.1 Specifications

Table A.7: Specifications	
Interface	HID-USB
Frequency	13.56MHz
RFID R/W Mode	Support ISO/IEC 14443A/MIFARE Reader, FeliCa Reader, ISO/IEC 14443B Reader
OS Support	Windows, Linux, Android
Dimensions	50 x 30 x 1mm
Power Supply	DC+5V ±10%
Operating Temperature	0~ +50°C
Relative Humidity	10%~90%

A.3.2 Packing List

Table A.8: Packing List	
Description	Quantity
RFID Module Unit	1
RFID Module Bracket	1

A.3.3 Ordering Information

Table A.9: Ordering Information		
P/N	Description	
USC-P03-B301	RFID Scanner for USC-360	

A.4 USC-P03-B303 (Finger Print Reader)



A.4.1 Specifications

Table A.10: Specifications		
Interface	USB	
Power	3.0V – 3.6V	
Fingerprint Image	12.8 x 18.0mm (256x360 pixels) 508 dpi, 8-bit grayscale	
Sensor Coating	FIPS 201 (gold coating)	
Package Size	23mm x 35mm x 4.1mm	
ESD	IEC 61000 – 4.2 level, +/- 15KV air, +/- 8KV contact	
Ingress Protection	IP65	
Operating Temperature	-30~ +70°C	
Humidity	5% - 93% non-condensing	

A.4.2 Packing List

Table A.11: Packing List	
Description	Quantity
Finger Print Reader Unit	1
Finger Print Reader Bracket	1

A.4.3 Ordering Information

Table A.12: Ordering Information		
P/N	Description	
USC-P03-B303	Finger Print Reader for USC-360	

A.5 USC-P06-H02 (UP37 HUB)



A.5.1 Specifications

Table A.13: Specifications	
Product Name	COM and USB Hub
Power Supply	N/A
I/O Interface	4*RS-232; 6*USB2.0
Environment	0-40°C

A.5.2 Packing List

Table A.14: Packing List		
Description	Quantity	
UP37 HUB	1	

A.5.3 Ordering Information

Table A.15: Ordering Information		
P/N	Description	
USC-P05-H02	USC-300 Series UP37 Extension Hub, 4C6U	

A.6 USC-P06-H01(UP36 HUB)



A.6.1 Specifications

Table A.16: Specifications		
Product Name	COM and PowerUSB Hub	
Power Supply	180W(24V/7.5A)	
I/O Interface	2*RS-232; 1*24V PowerUSB; 3*12V PowerUSB	
Environment	0-40	

A.6.2 Packing List

Table A.17: Packing List		
Description	Quantity	
UP36 HUB	1	

A.6.3 Ordering Information

Table A.18: Ordering Information		
P/N	Description	
USC-P05-H01	USC-365 Series Extension Hub (COM & PowerUSB)	



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Please verify specifications before quoting. This guide is intended for reference purposes only.

All product specifications are subject to change without notice.

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