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› **MEFERI** /

› **MEFERI ME10 Wearable Computer User Manual**

## MEFERI ME10

# MEFERI ME10 Wearable Computer User Manual

Model: ME10

## INTRODUCTION

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This manual provides essential information for the safe and efficient operation of your MEFERI ME10 Wearable Computer. Please read these instructions thoroughly before using the device to ensure proper setup, usage, and maintenance.



Figure 1: MEFERI ME10 Wearable Computer mounted on a wrist strap, displaying its user interface.

## SETUP

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### 1. Device Overview

Familiarize yourself with the physical components of the ME10 device.

# Buttons Functions Introduction

## Unleash New Possibilities



Dimensions: 5.15x3.39x0.6 inch



Weight: <80g

Figure 2: Detailed diagram illustrating the location and function of buttons, ports, and other features on the MEFERI ME10 Wearable Computer.

- **Touch Screen:** Main display for interaction.
- **Power Button:** Located on the side, used for power on/off and screen lock.
- **Function Buttons (F1-F6):** Programmable buttons for quick access to features.
- **Menu Button:** Accesses application menus.
- **Back Button:** Navigates back in applications.
- **Home Button:** Returns to the home screen.
- **Microphone:** For audio input.
- **Speaker:** For audio output.
- **POGO PIN:** For charging and data transfer with compatible docks.
- **Type-C Connector:** Standard USB-C port for charging and data.
- **Earphone Port:** 3.5mm jack for audio output.

- **Battery:** Removable battery compartment.
- **Battery Lock:** Secures the battery.
- **SD Card Cover Lock:** Secures the SD card slot.
- **NFC:** Near Field Communication module.
- **Camera:** Rear-facing camera.
- **Flash:** Camera flash.
- **Wrist Mount Ring:** Attachment point for wrist strap.

## 2. Battery Installation and Charging

The ME10 uses a 3400mAh Lithium Ion battery. Ensure the battery is fully charged before first use.

1. Locate the battery compartment on the rear of the device.
2. Unlock the battery lock and insert the 3400mAh battery, ensuring correct orientation.
3. Secure the battery by engaging the battery lock.
4. Connect the device to a power source using the provided Type-C cable or a compatible POGO PIN charging dock.
5. The charging indicator will illuminate. Allow the device to charge until the indicator shows a full charge.

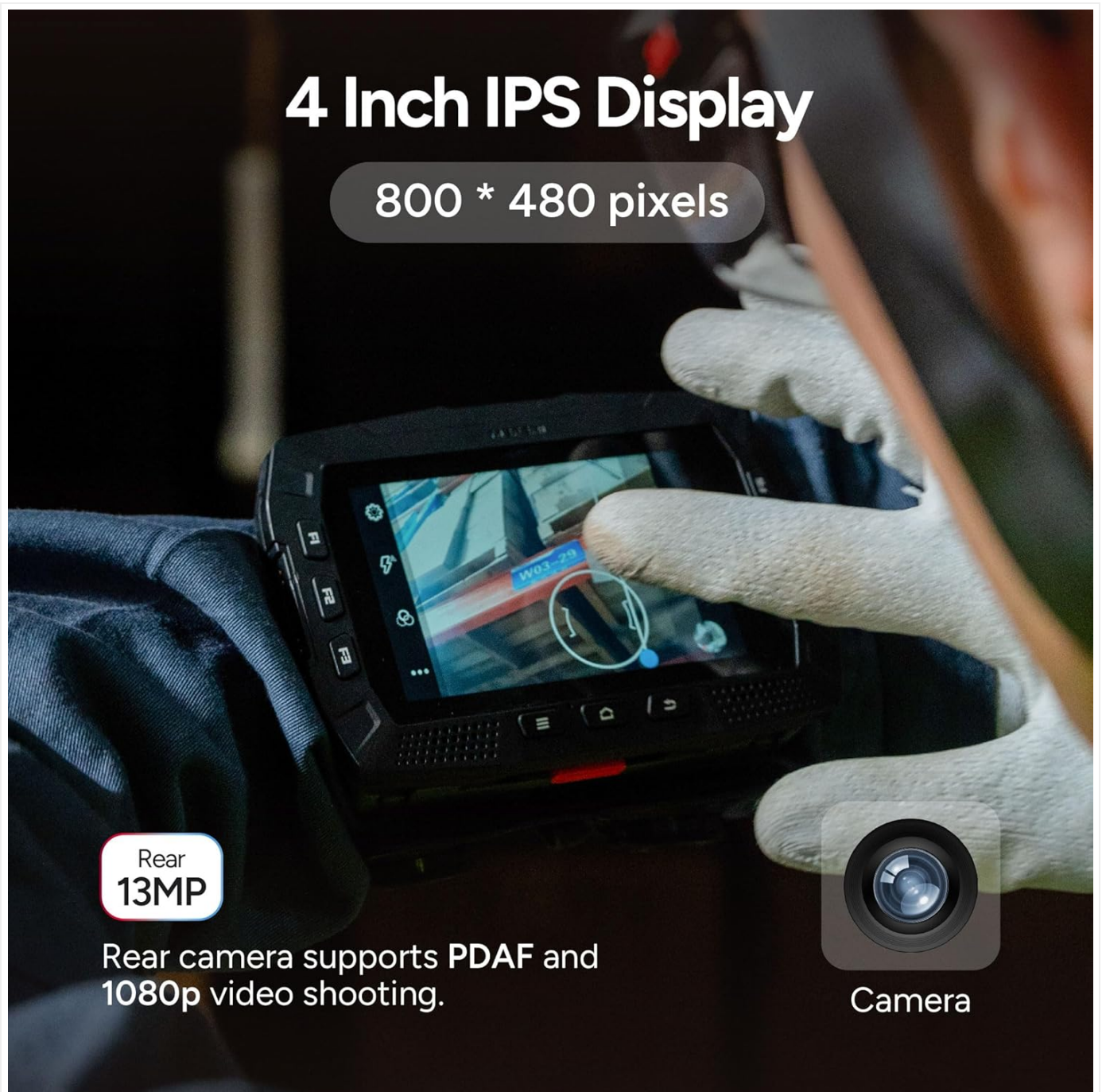


Figure 3: The MEFERI ME10 demonstrating its hot-swap battery feature, showing a 3400mAh battery being inserted or removed.

### 3. Powering On/Off

- To power on: Press and hold the **Power Button** until the MEFERI logo appears.
- To power off: Press and hold the **Power Button**, then select "Power off" from the options on the screen.
- To lock/unlock screen: Briefly press the **Power Button**.

### 4. Network Connectivity (Wi-Fi 6)

The ME10 supports Wi-Fi 6 for fast and reliable wireless data connectivity.

1. Navigate to **Settings > Network & internet > Wi-Fi**.
2. Toggle Wi-Fi to the **On** position.
3. Select your desired Wi-Fi network from the list.
4. Enter the network password if prompted and tap **Connect**.





Figure 4: The MEFERI ME10 device actively connected to a Wi-Fi 6 network, indicated by the Wi-Fi icon.

## 5. Bluetooth and NFC Pairing

The ME10 supports Bluetooth 5.2 and NFC for pairing with accessories like the MS300R ring scanner.



Figure 5: The MEFERI ME10 Wearable Computer shown in conjunction with an MS300R ring scanner, illustrating a typical pairing scenario.

#### Pairing Modes for MS300R Scanner:

- **HID Mode (Bluetooth & NFC):** Connects the scanner as a human interface device, allowing direct text input into any cursor-positioned input box.



# Long Endurance

 **12+ hours**  
Work Time

 **50mAh Hot**  
Swap Battery



Figure 6: The MEFERI ME10 screen showing the HID pairing mode option, indicating connection via Bluetooth and NFC.

- **BLE Mode (Bluetooth Low Energy via MS300R APP):** Offers fast connection, low power consumption, and high reliability for data transmission. Pairing is typically done by scanning a QR code within the MS300R application.



# Enhanced Software Capabilities

Unleashing the full power of MEFERI devices with tailor-made applications.



Shadowwalk



OmniIndustry



OmniSoftware

UN38.3

CE

FCC



RoHS

Figure 7: The MEFERI ME10 screen showing the BLE pairing mode, typically initiated by scanning a QR code with the MS300R application.

- **SPP Mode (Serial Port Profile via MS300R APP):** Provides fast transmission speed and short response time, also typically paired by scanning a QR code within the MS300R application.

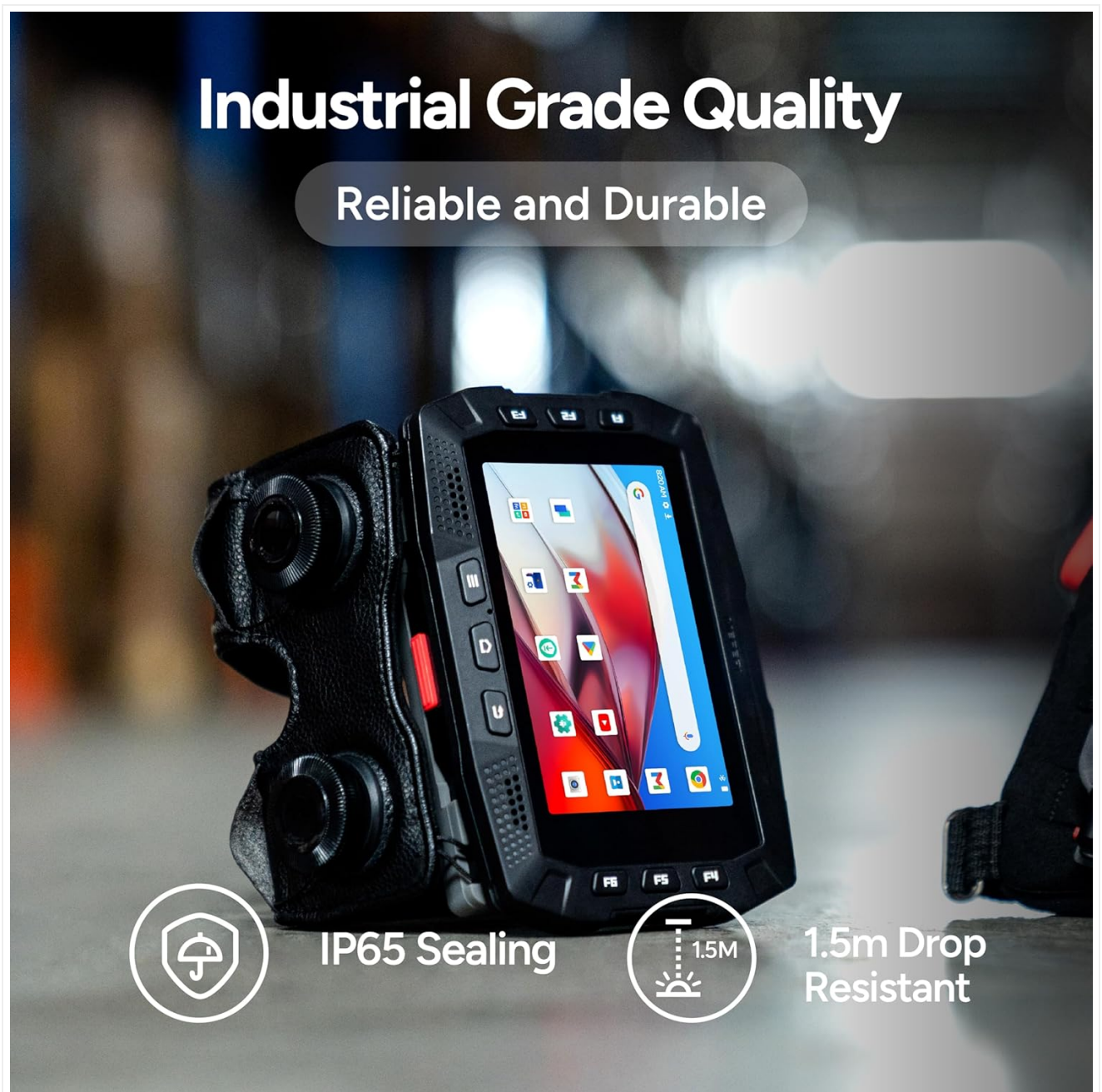


Figure 8: The MEFERI ME10 screen showing the SPP pairing mode, also typically initiated by scanning a QR code with the MS300R application.

## OPERATING INSTRUCTIONS

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### 1. Android 13 Navigation

The ME10 runs on Android 13, providing a familiar and intuitive user experience. Navigate using the touch screen and physical buttons:

- **Touch Screen:** Tap to select, swipe to scroll, pinch to zoom.
- **Home Button:** Returns to the main home screen from any application.
- **Back Button:** Navigates to the previous screen or closes the current application.
- **Menu Button:** Accesses context-sensitive menus within applications.
- **Function Buttons (F1-F6):** These can be configured for specific tasks or application shortcuts. Refer to your application's settings for customization options.

### 2. Using the Camera

The ME10 is equipped with a 13MP rear camera that supports PDAF (Phase Detection AutoFocus) and 1080p video shooting.

1. Open the Camera application from the home screen or app drawer.
2. Frame your subject using the 4-inch IPS display.
3. Tap the screen to focus, or allow PDAF to automatically focus.
4. Press the capture button on the screen to take a photo or start/stop video recording.

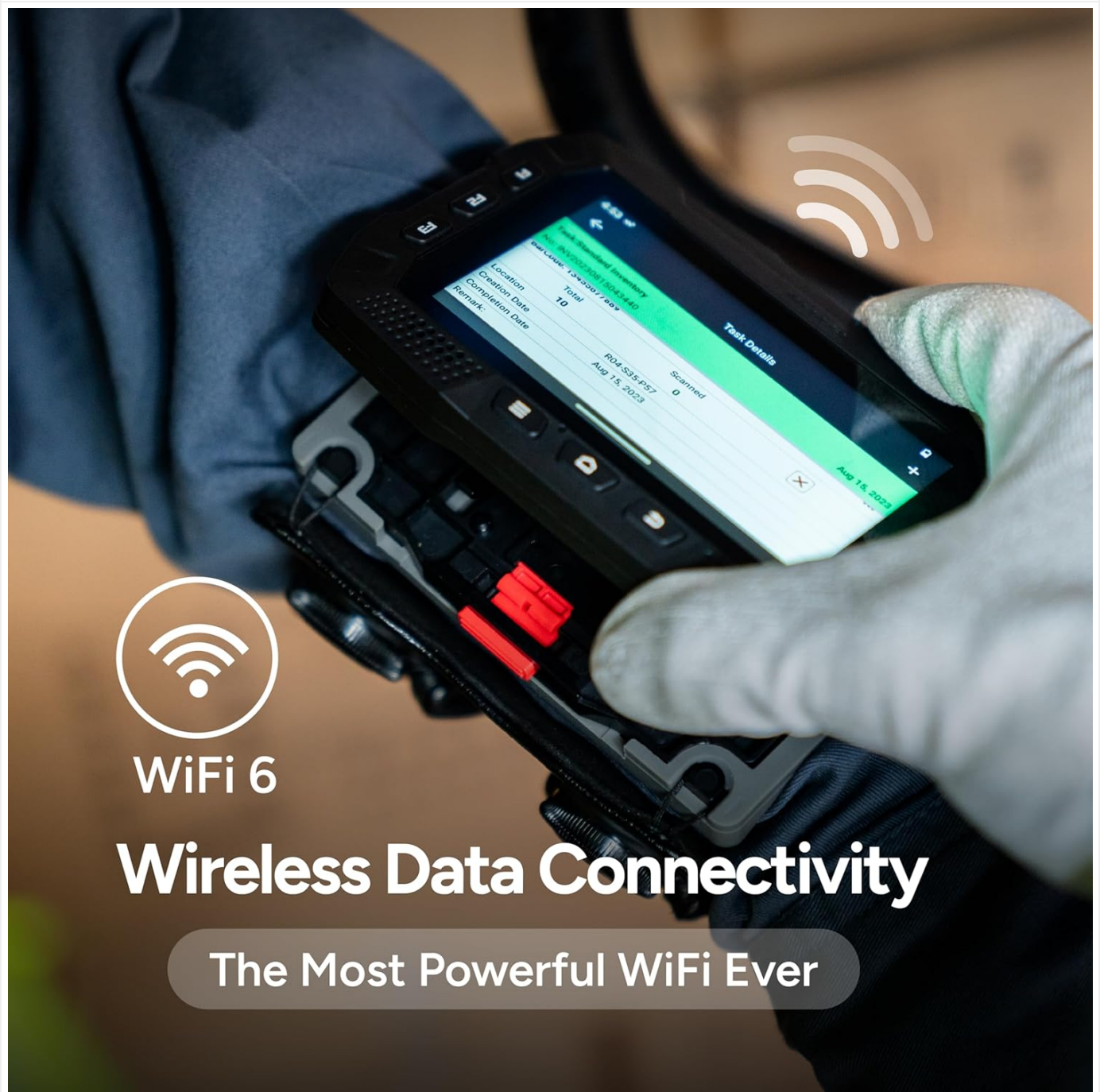


Figure 9: A user operating the MEFERI ME10, with the screen displaying the camera application interface and a 13MP rear camera module visible.

### 3. Data Collection with MS300R Scanner

Once the MS300R ring scanner is paired (refer to Setup section), it can be used for efficient barcode data collection.

- Ensure the MS300R scanner is powered on and successfully paired with the ME10.
- Open the relevant data collection application on the ME10.
- Point the MS300R scanner at the barcode you wish to scan and activate the scan trigger.
- The scanned data will appear in the designated field within your application.



## MAINTENANCE

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### 1. Cleaning the Device

The ME10 has an IP65 sealing rating, indicating resistance to dust and water jets. However, proper cleaning is still important.

- Power off the device before cleaning.
- Use a soft, damp cloth with mild soap or a screen cleaner to wipe the display and exterior.
- Avoid using abrasive cleaners, solvents, or harsh chemicals.
- Ensure all port covers are securely closed to maintain IP65 rating.
- Do not submerge the device in water.

## Long Endurance

 **12+ hours  
Work Time**

 **50mAh Hot  
Swap Battery**



Figure 10: The MEFERI ME10 showcasing its industrial-grade durability with IP65 sealing and a 1.5-meter drop resistance rating.

### 2. Battery Care

To maximize battery life and performance:

- Avoid exposing the device to extreme temperatures.
- Charge the battery regularly; avoid letting it fully discharge frequently.
- The ME10 features a 50mAh hot-swap battery, allowing the main 3400mAh battery to be replaced without powering down the device, minimizing downtime.
- Use only MEFERI-approved batteries and charging accessories.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your MEFERI ME10. For more complex problems, contact customer support.

### Common Issues and Solutions:

- **Device not powering on:**
  - Ensure the battery is correctly installed and charged.
  - Connect the device to a charger and attempt to power on.
- **Wi-Fi connectivity issues:**
  - Verify Wi-Fi is enabled in settings.
  - Check if the Wi-Fi network is operational and within range.
  - Forget the network and reconnect.
  - Restart the device.
- **Bluetooth pairing problems:**
  - Ensure Bluetooth is enabled on both devices.
  - Place devices close to each other.
  - Check if the accessory is in pairing mode.
  - Clear previous pairings and attempt to pair again.
- **Applications freezing or crashing:**
  - Close and restart the application.
  - Clear the application's cache (Settings > Apps > [App Name] > Storage & cache > Clear cache).
  - Restart the device.
- **Slow performance:**
  - Close unnecessary background applications.
  - Ensure sufficient storage space is available.
  - Restart the device.

## SPECIFICATIONS

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Feature	Detail
Model Number	ME10
Operating System	Android 13 (GMS, Verified Boot)
Processor	Qualcomm Octa-core (QCM4490, 2.4GHz)

Feature	Detail
Memory	4GB RAM + 64GB Flash Memory
Display	4.0-inch IPS, 800 x 480 WVGA Resolution, Corning Gorilla Glass III
Wireless Connectivity	Wi-Fi 6, Bluetooth 5.2, NFC
Camera	Rear 13MP with PDAF, 1080p video shooting
Durability	IP65 Sealing, 1.5m (4.9 ft) Drop Resistance
Battery	3400mAh Lithium Ion (Replaceable), 50mAh Hot-Swap Battery, 12+ hours Work Time
Ports	Type-C Connector, POGO PIN, Earphone Port
Dimensions (Package)	8.07 x 3.94 x 3.54 inches
Item Weight	8.1 ounces
Manufacturer	MEFERI
Certifications	AER, GMS, CE, ROHS, FCC, MSDS, UN38.3, ICE, ISO9001

## WARRANTY AND SUPPORT

### 1. Product Warranty

The MEFERI ME10 Wearable Computer comes with a **12-month repair period** after shipment. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

### 2. Technical Support and SDK

MEFERI provides technical support for its devices. If you require assistance or have questions regarding the device's functionality, please contact MEFERI customer service.

For developers, a Software Development Kit (SDK) is available for all MEFERI devices. Please contact MEFERI directly to obtain the SDK and related documentation for custom application development.







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### Related Documents - ME10

	<a href="#">MEFERI ME74 Mobile Computer Quick Start Guide and Technical Specifications</a> Quick start guide and technical specifications for the MEFERI ME74 Mobile Computer, including FCC and CE compliance information, operating frequencies, and SAR details.
	<a href="#">Meferi MS300R Quick Start Guide</a> A quick start guide for the Meferi MS300R wearable ring scanner, covering device overview, package contents, battery instructions, ring scanner instructions, charging, indicator LED meanings, and precautions.



	<p><a href="#">MEFERI MDR1016WH/GR HP COMFORT Tumble Dryer User Manual</a></p> <p>Comprehensive user manual for the MEFERI MDR1016WH HP COMFORT and MDR1016GR HP COMFORT tumble dryers, covering safety, installation, operation, maintenance, troubleshooting, and technical specifications.</p>
	<p><a href="#">MEFERI ME74 Mobile Computer Quick Start Guide and Technical Specifications</a></p> <p>Quick start guide and technical specifications for the MEFERI ME74 Mobile Computer, including FCC and CE compliance information, operating frequencies, and SAR details.</p>
	<p><a href="#">MERCUSYS ME10 300Mbps Wi-Fi Range Extender User Guide</a></p> <p>User guide for the MERCUSYS ME10 300Mbps Wi-Fi Range Extender, covering setup, configuration, and management.</p>
	<p><a href="#">Meferi MS300R Quick Start Guide</a></p> <p>A quick start guide for the Meferi MS300R wearable ring scanner, covering device overview, package contents, battery instructions, ring scanner instructions, charging, indicator LED meanings, and precautions.</p>

Documents - MEFERI – ME10



[pdf]  
RU Техническая спецификация для MEFERI ME10 Meferi MS300R Экран 4 480\*800 IPS Gorilla Glass  
III Кнопки Питание «Меню» «Домой» «Назад» 6 программируемых кнопок Датчики Ускорения ги  
tekhnicheskaia spetsifikatsiia dlia meferi me10 geksagon media filer public e5 2c e52c6646 f6f4 4744  
a8f3 bebb1bf3f79f |||  
**ME10 . ME10** Meferi **ME10** -- , . **ME10** Qualcomm 2.4 . 4 64 6 128 . 3400 backup- 50 .  
**ME10** , . , - **ME10**. Meferi **ME10** , GPS. , **ME10** Wi-Fi 6E, MIMO 2x2 Wi-Fi . ...  
lang:tl score:34 filesize: 779.71 K page\_count: 2 document date: 2025-03-21

CTA  
Be'an

2024-01-23

Address: Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name:

Project Engineer Amy Wen Approved by position printed name sign...

[pdf] Specifications Test Report

Test Report 13 56MHz Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10 Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... ature ...: Supervised by position printed name signature ...: FCC PART 15.225 CTA23112901601 2A9LJ-**ME10** File administrators Zoey Cao

lang:en score:30 filesize: 3.6 M page\_count: 33 document date: 2024-01-23

Meferi Technologies Co., Ltd.  
4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue,  
High-tech Zone, Chengdu, China

2024/01/22

U.S. Agent Designation

Meferi Technologies Co., Ltd. acknowledges their consent for the following contract located in the United States to act as their agent for service of process for the equipment for which authorization is sought (FCC ID: 2A9LJ-ME10):

Name and company of U.S. agent: GSB SERVICE INC  
Physical U.S. address of agent: 6507 N Academy Blvd #256 Colorado Springs COLORADO 80918  
FRN of U.S. agent: 000042890  
Email address of U.S. agent: Michael.sage@gsbinc.com

GSB SERVICE INC acknowledges their obligation to accept service of process on behalf of Meferi Technologies Co., Ltd.

Meferi Technologies Co., Ltd. with the FRN 0002142890 accepts its obligation to maintain an agent for service of process in the United States to act as their agent for service of process for the equipment for which authorization is sought (FCC ID: 2A9LJ-ME10):

The information provided in this letter is based on the information submitted by the applicant on the application for authorization to act as their agent for service of process for the equipment for which authorization is sought (FCC ID: 2A9LJ-ME10):

By signing this form, we confirm the above and that we are aware of the application requirements listed under § 2.811(b)(7).

The expiration date for this letter does not exist. In case the U.S. agent changes, the provider is obligated to notify the FCC within 30 days via the granting TCB.

Sincerely,

Bianxi Shu

Signature: Qianxi Shu  
Meferi Technologies Co., Ltd.

Signature: Michael Sage  
GSB SERVICE INC

[pdf]

US Agent 2 911 d 7 U V05 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10 Meferi Technologies Co.,Ltd. 4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech ... eir agent for service of process for the equipment for which authorization is sought FCC ID: 2A9LJ-**ME10** : Name and company of U.S. agent: Physical U.S. address of agent: FRN of U.S. agent: Email add...

lang:en score:29 filesize: 34.96 K page\_count: 1 document date: 2024-01-23

FCC ID : 2A9LJ-ME10  
Company: : Meferi Technologies Co.,Ltd.  
EUT : Wearable Computer  
Model Number : ME10  
Reviewed By : Eric Wang  
Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	F frequency (MHz)	3dB BW (MHz)	F1 (MHz)	F2 (MHz)	Limit (dBm)	Verdict
11A	Ant1	5180	20.000	5170.000	5190.000	-10	Pass
		5220	20.000	5210.120	5229.880	-10	Pass
		5240	20.000	5230.000	5250.000	-10	Pass
		5260	20.040	5246.960	5273.040	-10	Pass
		5300	20.040	5286.000	5314.000	-10	Pass
		5320	19.620	5310.000	5330.000	-10	Pass
		5500	20.000	5489.840	5510.160	-10	Pass
		5580	19.840	5570.000	5590.000	-10	Pass
		5700	20.280	5689.840	5710.160	-10	Pass
		5740	20.160	5724.000	5756.000	-10	Pass
11N20SISO	Ant1	5700	20.280	5724.000	5756.000	-10	Pass
		5820	20.040	5814.000	5830.000	-10	Pass
		5900	20.000	5880.000	5920.000	-10	Pass
		6000	20.040	5986.000	6014.000	-10	Pass
		6100	20.000	6080.000	6120.000	-10	Pass
		6200	20.040	6186.000	6214.000	-10	Pass
		6300	20.000	6280.000	6320.000	-10	Pass
		6400	20.000	6380.000	6420.000	-10	Pass
		6500	20.040	6486.000	6514.000	-10	Pass
		6600	20.000	6580.000	6620.000	-10	Pass
11N40SISO	Ant1	6700	20.000	6680.000	6720.000	-10	Pass
		6800	20.000	6780.000	6820.000	-10	Pass
		6900	20.000	6880.000	6920.000	-10	Pass
		7000	20.000	6980.000	7020.000	-10	Pass
		7100	20.000	7080.000	7120.000	-10	Pass
		7200	20.000	7180.000	7220.000	-10	Pass
		7300	20.000	7280.000	7320.000	-10	Pass
		7400	20.000	7380.000	7420.000	-10	Pass
		7500	20.000	7480.000	7520.000	-10	Pass
		7600	20.000	7580.000	7620.000	-10	Pass

[pdf]

RF Test Data for 5GWIFI Antenna 1 Part1 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10 FCC ID : 2A9LJ-**ME10** Company: : Meferi Technologies Co.,Ltd. EUT : Wearable Computer Model Number : **ME10** Reviewed By : Eric Wang Appendix A1: Emission Bandwidth Test Result TestMode 11A 11N20SISO 11N40SISO Antenna Ant1 Ant1 Ant1 Frequency MHz 5180 5220 5240 5260 5300 5320 5500 5580 5700...

lang:de score:29 filesize: 5.95 M page\_count: 24 document date: 2024-01-25

FCC ID : 2A9LJ-ME10  
Company: : Meferi Technologies Co.,Ltd.  
EUT : Wearable Computer  
Model Number : ME10  
Reviewed By : Eric Wang

Appendix A1: Emission Bandwidth

Test Result							
Test Mode	Antenna	Frequency (MHz)	20dB BW (MHz)	F1 (MHz)	F2 (MHz)	Limit (dBμV)	Verdict
11A	Ant 0	5180	10.700	5170.250	5189.950	...	...
		5220	10.620	5210.240	5229.960	...	...
		5240	10.640	5230.240	5249.960	...	...
		5260	10.660	5250.240	5269.960	...	...
		5300	10.100	5290.220	5310.080	...	...
		5320	10.220	5310.080	5330.080	...	...
		5360	11.000	5350.360	5370.360	...	...
		5580	12.000	5570.000	5590.000	...	...
		5700	10.400	5690.040	5710.240	...	...
		5745	10.440	5734.800	5755.240	...	...
		5785	10.440	5734.720	5795.280	...	...
		5825	10.720	5814.600	5835.320	...	...
11N20SISO	Ant 0	5180	10.140	5169.820	5190.180	...	...
		5220	10.200	5209.800	5230.160	...	...
		5240	10.220	5230.140	5250.140	...	...
		5260	10.400	5249.600	5270.360	...	...
		5300	10.600	5300.000	5300.000	...	...
		5320	10.200	5309.840	5330.120	...	...
		5360	10.400	5349.720	5370.280	...	...
		5580	10.000	5580.000	5580.000	...	...
		5700	10.440	5699.820	5710.180	...	...
		5745	10.680	5734.760	5755.440	...	...
		5785	10.680	5734.760	5755.440	...	...
		5825	10.680	5734.760	5755.440	...	...

[pdf]

RF Test Data for 5GWIFI Antenna 0 Part1 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

FCC ID Company: EUT Model Number Reviewed By : 2A9LJ-**ME10** : Meferi Technologies Co.,Ltd. : Wearable Computer : **ME10** : Eric Wang Appendix A1: Emission Bandwidth Test Result TestMode Antenna Frequency MHz 11A Ant 0 11N20SISO Ant 0 5180 5220 5240 5260 5300 5320 5500 5580 5700 5745 5785 5825 51...

lang:de score:28 filesize: 5.95 M page\_count: 24 document date: 2024-01-25

[pdf] Specifications Test Report

DOSKING Antenna Test Report Administrator specification Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

Antenna Test Report Customer Name Entry name Debugging frequency band Sub antenna VERSION RF Engineering MEFERI **ME10** WIFI BT NFC V3.0 VC Peng wei 18565640925 Shenzhen Dosking Technology Co., Ltd 1.The Equipment of Active Test 1. ETS Chamber 743 m /3\*3\*3m 3D Laboratory ; 2. Vector network anal... lang:de score:26 filesize: 1.95 M page\_count: 19 document date: 2024-01-25

[pdf] Specifications Test Report

Test Report BLE Meferi Technologies Co Ltd ME10 2A9LJ 2A9LJME10 me10 Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... o.....: CTA23112901602 FCC ID.....: 2A9LJ-**ME10** Compiled by position printed name signature ..: File administrators Zoey Cao Supervised by ... lang:en score:26 filesize: 4.99 M page\_count: 34 document date: 2024-01-23

[pdf] Specifications Test Report

Test Report DFS Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10 Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... ess .....: TEST REPORT FCC PART 15.407 CTA23112901606 2A9LJ-**ME10** File administrators Zoey Cao Project Engineer Amy Wen RF Manager Eric Wang Jan. 03, 2024 Shenzh... lang:en score:26 filesize: 1.01 M page\_count: 22 document date: 2024-01-23



CTA  
Shenzhen CTA Testing Technology Co., Ltd.  
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

Report Reference No. : CTA23112901603  
FCC ID : 2A9LJ-ME10

Completed by : File administrators Zoey Cao  
(position-printed name/signature)

Supervised by : Project Engineer Amy Wen  
(position-printed name/signature)

Approved by : RF Manager Eric Wang  
(position-printed name/signature)

Date of issue : Jan. 16, 2024

Testing Laboratory Name : Shenzhen CTA Testing Technology Co., Ltd.  
Address : Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Meferi Technologies Co., Ltd.  
Address : 4001, 40th Floor, Building A, No. 530, Middle Tianlu Avenue, High-tech Zone, Chengdu, China

Test specification :  
Standard : IEC 62289-2-2010, IEEE 1528-2013, FCC 47 CFR Part 2.1003, ANSI/CESR C64-1-2006, Reference FCC KDB 447491, KDB 248377, KDB 616217, KDB 636664

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Test item description : Wearable Computer

Trade Mark : MEFERI

Manufacturer : Meferi Technologies Co., Ltd.

Model/Type reference : ME10

Listed Models : ME10S, ME10P, ME10L, ME12, ME15, ME18

Rating : DC 3.7V From battery and DC 5.0V From external circuit

Result : PASS

[pdf] Specifications Test Report

Test Report BT Part1 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10  
Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... nted name signature . : Supervised by position printed name signature . : CTA23112901603 2A9LJ-**ME10** File administrators Zoey Cao  
Project Engineer Amy Wen Approved by position printed name sign...  
lang:en score:25 filesize: 4.85 M page\_count: 34 document date: 2024-01-25

Shenzhen CTA Testing Technology Co., Ltd.  
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

Report Reference No. : CTA23112901607  
FCC ID : 2A9LJ-ME10

Completed by : File administrators Zoey Cao  
(position-printed name/signature)

Supervised by : Project Engineer Amy Wen  
(position-printed name/signature)

Approved by : RF Manager Eric Wang  
(position-printed name/signature)

Date of issue : Jan. 16, 2024

Testing Laboratory Name : Shenzhen CTA Testing Technology Co., Ltd.  
Address : Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Meferi Technologies Co., Ltd.  
Address : 4001, 40th Floor, Building A, No. 530, Middle Tianlu Avenue, High-tech Zone, Chengdu, China

Test specification :  
Standard : IEC 62289-2-2010, IEEE 1528-2013, FCC 47 CFR Part 2.1003, ANSI/CESR C64-1-2006, Reference FCC KDB 447491, KDB 248377, KDB 616217, KDB 636664

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Test item description : Wearable Computer

Trade Mark : MEFERI

Manufacturer : Meferi Technologies Co., Ltd.

Model/Type reference : ME10

Listed Models : ME10S, ME10P, ME10L, ME12, ME15, ME18

Rating : DC 3.7V From battery and DC 5.0V From external circuit

Result : PASS

[pdf] Specifications Test Report SAR Rating

RF Exposure SAR Report Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10  
Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China  
TEST REPORT Report Reference No. .... : CTA23112901607 FCC ID. .... : 2A9LJ-**ME10** Compiled by...  
lang:en score:25 filesize: 5.58 M page\_count: 85 document date: 2024-01-24

CTA  
Shenzhen CTA Testing Technology Co., Ltd.  
Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

TEST REPORT

Report Reference No. : CTA23112901604  
FCC ID : 2A9LJ-ME10

Completed by : File administrators Zoey Cao  
(position-printed name/signature)

Supervised by : Project Engineer Amy Wen  
(position-printed name/signature)

Approved by : RF Manager Eric Wang  
(position-printed name/signature)

Date of issue : Jan. 16, 2024

Testing Laboratory Name : Shenzhen CTA Testing Technology Co., Ltd.  
Address : Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Community, Fuhai Street, Bao'an District, Shenzhen, China

Applicant's name : Meferi Technologies Co., Ltd.  
Address : 4001, 40th Floor, Building A, No. 530, Middle Tianlu Avenue, High-tech Zone, Chengdu, China

Test specification :  
Standard : IEC 62289-2-2010, IEEE 1528-2013, FCC 47 CFR Part 2.1003, ANSI/CESR C64-1-2006, Reference FCC KDB 447491, KDB 248377, KDB 616217, KDB 636664

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Test item description : Wearable Computer

Trade Mark : MEFERI

Manufacturer : Meferi Technologies Co., Ltd.

Model/Type reference : ME10

Listed Models : ME10S, ME10P, ME10L, ME12, ME15, ME18

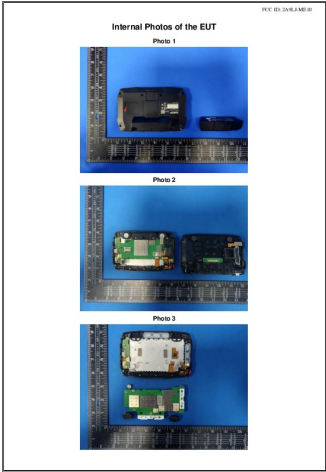
Rating : DC 3.7V From battery and DC 5.0V From external circuit

Result : PASS

[pdf] Specifications Test Report

Test Report 2 4G WIFI Part1 Meferi Technologies Co Ltd ME10 2A9LJ 2A9LJME10 me10  
Shenzhen CTA Testing Technology Co., Ltd. Room 106, Building 1, Yibaolai Industrial Park, Qiaotou Co ... nted name signature . : Supervised by position printed name signature . : CTA23112901604 2A9LJ-**ME10** File administrators Zoey Cao  
Project Engineer Amy Wen Approved by position printed name sign...  
lang:en score:25 filesize: 5.62 M page\_count: 32 document date: 2024-01-25





[pdf] Product Photos Teardown

Internal Photos Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

Internal Photos of the EUT Photo 1 FCC ID: 2A9LJ-**ME10** Photo 2 Photo 3 Photo 4  
FCC ID: 2A9LJ-**ME10** Photo 5 Photo 6 Photo 7 FCC ID: 2A9LJ-**ME10** Photo 8 WIFI 1  
PIFA antenna BT/WIFI 0 PIFA antenna Photo 9 Photo 10 FCC ID: 2A9LJ-**ME10** Photo  
11 Photo 12 Photo 13 FCC ID: 2A9LJ-**ME10** Phot...

lang:i-klingson score:20 filesize: 2.07 M page\_count: 10 document date: 2024-01-23

**CONFIDENTIALITY REQUEST**  
for Certification Service in USA

Federal Communication Commission  
Equipment Authorization Division, Application Processing Branch  
7435 Oakland Mills Road  
Columbia, MD 21046

Date: 2024-1-23

Pursuant to Paragraphs 8(a)(7) and 8(a)(8) of the Commission's Rules (47 C.F.R.) and Section 552(b)(4) of the Freedom of Information Act, we request confidentiality for the following products:

FCC ID: 2A9LJ-ME10 Model name: ME10

For the product stated above, we request that the following information be held confidential:

Exhibits	Long-Term Confidentiality	Short-Term Confidentiality	Short-Term Confidentiality Days
External Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Internal Photos	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Block Diagram	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Schematics	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Test Setup Photos	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
User's Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Parts List	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Operational Descriptions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

The long-term confidentiality exhibits contain our trade secrets and proprietary information that could be of benefit to our competitors.

The short-term confidentiality on the basis of ensuring that business sensitive information remains confidential until the actual marketing of our new device.

If you have any questions, please feel free to contact me at the address shown below:

[pdf] Confidentiality Request Letter

FCC Confidentiality request letter Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

Sincerely, Name/Title Company: Address: Phone: Fax: E-Mail: Qianxi Shu/Manager Meferi Technologies Co.,Ltd. 4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, Hightech Zone, Chengdu China 075585250797 N/A 402859612 qq.com ...  
lang:i-klingson score:20 filesize: 151.93 K page\_count: 2 document date: 2024-01-23

**Meferi Technologies Co.,Ltd.**  
4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone Chengdu, China

UNII Device Declaration Letter

To whom it may concern:

We have declared below features for FCC equipment authorization.  
Device FCC ID: 2A9LJ-ME10

(1) OFS Device: ☐ Master ☒ Client with Radar detection capability ☐ Client without radar detection capability

(2) Active / Passive Scanning, software mode access point capability

Frequency Band (MHz)	Active Scanning (Can device can transmit a probe request)	Passive Scanning (Can device can receive a probe request)	Ad Hoc Mode capability	Access point capability
5180-5240	Yes	Yes	Yes	Yes
5260-5320	Yes	Yes	Yes	Yes
5350-5410	Yes	Yes	Yes	Yes
5470-5530	Yes	Yes	Yes	Yes
5580-5640	Yes	Yes	Yes	Yes
5660-5720	Yes	Yes	Yes	Yes
5740-5800	Yes	Yes	Yes	Yes
5830-5890	Yes	Yes	Yes	Yes
5930-5990	Yes	Yes	Yes	Yes
5970-6030	Yes	Yes	Yes	Yes
6080-6140	Yes	Yes	Yes	Yes
6170-6230	Yes	Yes	Yes	Yes
6300-6360	Yes	Yes	Yes	Yes
6390-6450	Yes	Yes	Yes	Yes
6470-6530	Yes	Yes	Yes	Yes
6580-6640	Yes	Yes	Yes	Yes
6670-6730	Yes	Yes	Yes	Yes
6750-6810	Yes	Yes	Yes	Yes
6875-6935	Yes	Yes	Yes	Yes
7250-7310	Yes	Yes	Yes	Yes
7330-7390	Yes	Yes	Yes	Yes
7445-7505	Yes	Yes	Yes	Yes
7520-7580	Yes	Yes	Yes	Yes
7610-7670	Yes	Yes	Yes	Yes
7705-7765	Yes	Yes	Yes	Yes
7790-7850	Yes	Yes	Yes	Yes
7915-7975	Yes	Yes	Yes	Yes

(3) Country code detector ability: ☐ Yes ☒ No  
If yes, pls explain how it was implemented:

(4) Meet 15.252 requirement: ☐ Yes ☒ No  
Pls check below:  
☐ A master device is defined as a device operating in a mode in which it has the capability to transmit without receiving an enabling signal. In this mode it is able to select a channel and initiate a network by sending enabling signals to other devices.  
☒ A client device is defined as a device operating in a mode in which the transmissions of the device are under control of the master. A device in client mode is not able to initiate a network.

(5) For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others), different bands (devices with multiple equipment classes) or those that operate on non-DFS frequencies (or modular devices which can toggle the modes of operation through software), the applicant must provide software and operations description on how the software and / or hardware is implemented to ensure that proper operations modes cannot be modified by end user or an attacker.  
☐ Does not apply  
If apply, pls help to provide explanation on it was implemented, and how software was controlled:

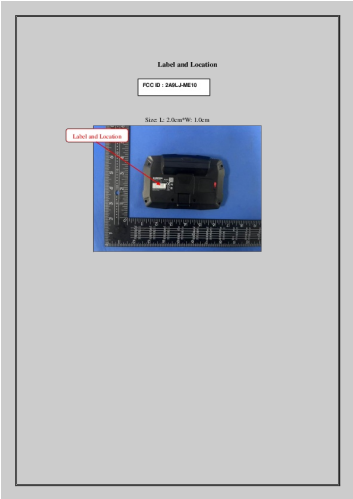
Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely,  
Qianxi Shu  
(Signed)

[pdf] Declaration of Conformity

FCC UNII Device Declaration Letter Slaver Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

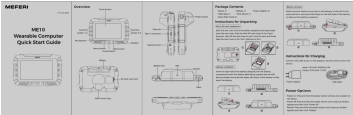
Name/Title Company: Address: Phone: Fax: E-Mail: Qianxi Shu/Manager Meferi Technologies Co.,Ltd. 4501, 45th Floor, Building A, No. 530, Middle Tianfu Avenue, High-tech Zone, Chengdu China 075585250797 N/A 402859612 qq.com ...  
lang:i-klingson score:20 filesize: 200.06 K page\_count: 2 document date: 2024-01-23



[pdf] Label

Label and Location Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10  
Label and Location FCC ID : 2A9LJ-**ME10** Label and Location Size: L: 2.0cm\*W: 1.0cm ...

lang:i-kl Klingon **score:19** filesize: 89.25 K page\_count: 1 document date: 2024-01-23



[pdf] User Manual Instructions

ME10 2023 08 21 cdr Administrator User Manual Meferi Technologies Co Ltd ME10 Wearable  
Computer 2A9LJ 2A9LJME10 me10

FCC Statement This equipment has been tested and found to comply with the limits  
for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are  
designed to provide reasonable protection against harmful interference in a  
residential installation. This equipment generates, uses...

lang:en **score:19** filesize: 1.32 M page\_count: 3 document date: 2024-01-25



[pdf]

FCC POA Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

...

lang:en **score:13** filesize: 111.63 K page\_count: 1 document date: 2024-01-23



Meferi Technologies Co.,Ltd.  
Add: 4501, 45th Floor, Building A, No. 530, Middle Tianru Avenue, High-tech Zone,Chengdu, China

Date: 2024-1-23  
FCC ID: 2A9LJ-ME10  
Dear Sir/Madam,

We, Meferi Technologies Co.,Ltd. hereby declares the following statement for Federal Communications Commission, FCC board, circuit, structure and interest of these model(s) are the same. Only model number is different for these model:

Product name: Wearable Computer  
Model no: ME10, ME10L, ME10P, ME10L, ME12, ME16, ME18

Sincerely,

  
Name/Title: Qianzi Shu/Manager  
Company: Meferi Technologies Co.,Ltd.  
Address: 4501, 45th Floor, Building A, No. 530, Middle Tianru Avenue, High-tech Zone,Chengdu, China  
Phone: 075061236797  
Fax: N/A  
E-Mail: 4028096123@qq.com

[pdf] Decleration of Conformity

Declaration Letter of Model Difference Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

...

lang:en score:12 filesize: 83.8 K page\_count: 1 document date: 2024-01-23

Meferi Technologies Co.,Ltd.  
4501, 45th Floor, Building A, No. 530, Middle Tianru Avenue, High-tech Zone,Chengdu, China

Date: 2024-1-23  
FCC ID: 2A9LJ-ME10  
Model Number: ME10

To:  
Federal Communications Commission  
Authorization and Evaluation Division  
7455 Oakland Mills Road  
Columbia, MD

To Whom It May Concern,

We, Meferi Technologies Co.,Ltd., declare that this EUT (FCC ID: 2A9LJ-ME10) doesn't have Ad Hoc mode function on "non-US/Canada frequency". In addition, The frequency selection function is disabled by firmware for devices marked to the US/Canada. For FCC part of this device, only channels 1-11 will be used in North America. Country code selection is disabled.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely,

  
Name/Title: Qianzi Shu/Manager  
Company: Meferi Technologies Co.,Ltd.  
Address: 4501, 45th Floor, Building A, No. 530, Middle Tianru Avenue, High-tech Zone,Chengdu, China  
Phone: 075061236797  
Fax: N/A  
E-Mail: 4028096123@qq.com

[pdf] Decleration of Conformity

FCC Declaration of Disable WLAN Channel 12 and 13 Meferi Technologies Co Ltd ME10 2A9LJ 2A9LJME10 me10

...

lang:en score:12 filesize: 101.79 K page\_count: 1 document date: 2024-01-23

Meferi Technologies Co.,Ltd.  
4501, 45th Floor, Building A, No. 530, Middle Tianru Avenue, High-tech Zone,Chengdu, China

Federal Communications Commission  
Authorization and Evaluation Division  
Equipment Authorization Branch  
7455 Oakland Mills Road  
Columbia, MD 21046

2024-1-23

To whom it may concern:

We, Meferi Technologies Co.,Ltd., hereby certify that the equipment for which authorization is sought (FCC ID: 2A9LJ-ME10) is not "covered" equipment prohibited from receiving an equipment authorization pursuant to § 2.903 of the FCC rules.

We also certify that, as of the date of the filing of the application, we are not identified on the Covered List (<https://www.fcc.gov/applications/coveredlist>) as an entity producing "covered" equipment.

By signing this form, we confirm the above and that we are aware of the application requirements listed under § 2.911(b) and (d)(3) and (d).

The information provided in this letter is based on the referenced rule parts of Title 47 of the CFR as well as KDB 980445 D01.

Sincerely,

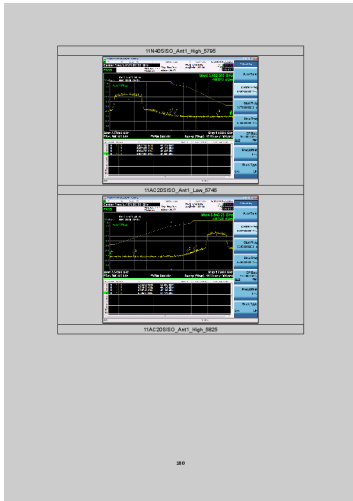
  
Signature  
Qianzi Shu  
Manager  
Meferi Technologies Co.,Ltd.

[pdf]

Covered Equipment Attestation 2 911 d 5 i and ii Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

...

lang:en score:12 filesize: 94 K page\_count: 1 document date: 2024-01-23

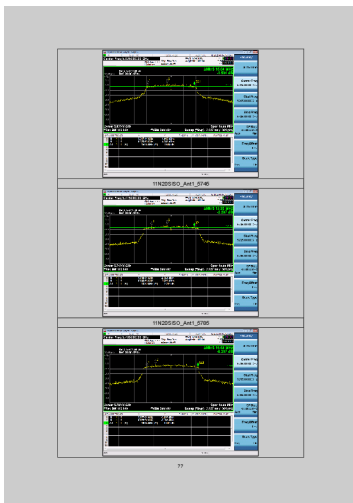


[pdf]

RF Test Data for 5GWIFI Antenna 1 Part8 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ  
2A9LJME10 me10

11N40SISO\_Ant1\_High\_5795 11AC20SISO\_Ant1\_Low\_5745  
11AC20SISO\_Ant1\_High\_5825 180 11AC40SISO\_Ant1\_Low\_5755  
11AC40SISO\_Ant1\_High\_5795 181 11AC80SISO\_Ant1\_Low\_5775  
11AC80SISO\_Ant1\_High\_5775 11AX20SISO\_Ant1\_Low\_5745 182  
11AX20SISO\_Ant1\_High\_5825 11AX40SISO\_Ant1\_Low\_5755 183  
11AX40SISO\_Ant1\_High\_5...

lang:en score:10 filesize: 1.62 M page\_count: 6 document date: 2024-01-25



[pdf]

RF Test Data for 5GWIFI Antenna 1 Part4 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ  
2A9LJME10 me10

11N20SISO\_Ant1\_5745 11N20SISO\_Ant1\_5785 77 11N20SISO\_Ant1\_5825  
11N40SISO\_Ant1\_5755 11N40SISO\_Ant1\_5795 78 11AC20SISO\_Ant1\_5745  
11AC20SISO\_Ant1\_5785 79 11AC20SISO\_Ant1\_5825 11AC40SISO\_Ant1\_5755  
11AC40SISO\_Ant1\_5795 80 11AC80SISO\_Ant1\_5775 11AX20SISO\_Ant1\_5745 81  
11AX20SISO\_Ant1\_5785 11AX20S...

lang:fr score:10 filesize: 5.92 M page\_count: 24 document date: 2024-01-25

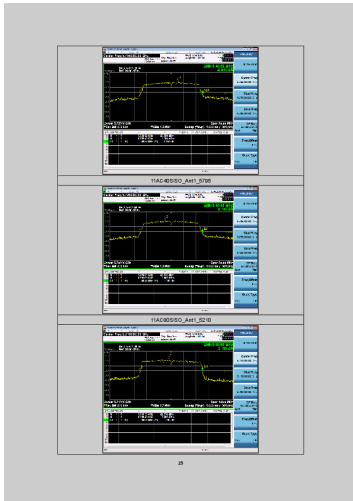


[pdf]

RF Test Data for 5GWIFI Antenna 1 Part7 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ  
2A9LJME10 me10

11AX20SISO\_Ant1\_5785 11AX20SISO\_Ant1\_5825 154 11AX40SISO\_Ant1\_5190  
11AX40SISO\_Ant1\_5230 11AX40SISO\_Ant1\_5270 155 11AX40SISO\_Ant1\_5310  
11AX40SISO\_Ant1\_5510 156 11AX40SISO\_Ant1\_5550 11AX40SISO\_Ant1\_5670  
11AX40SISO\_Ant1\_5755 157 11AX40SISO\_Ant1\_5795 11AX80SISO\_Ant1\_5210  
158 11AX80SISO\_Ant1\_52...

lang:es score:10 filesize: 5.99 M page\_count: 26 document date: 2024-01-25

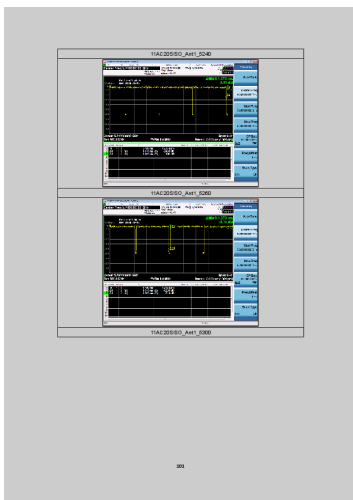


[pdf]

RF Test Data for 5GWiFi Antenna 1 Part2 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

11AC40SISO\_Ant1\_5795 11AC80SISO\_Ant1\_5210 25 11AC80SISO\_Ant1\_5290  
11AC80SISO\_Ant1\_5530 11AC80SISO\_Ant1\_5775 26 11AX20SISO\_Ant1\_5180  
11AX20SISO\_Ant1\_5220 27 11AX20SISO\_Ant1\_5240 11AX20SISO\_Ant1\_5260  
11AX20SISO\_Ant1\_5300 28 11AX20SISO\_Ant1\_5320 11AX20SISO\_Ant1\_5500 29  
11AX20SISO\_Ant1\_5580 11...

lang:es score:10 filesize: 5.87 M page\_count: 26 document date: 2024-01-25

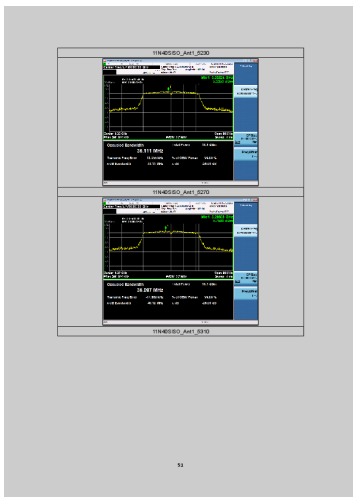


[pdf]

RF Test Data for 5GWiFi Antenna 1 Part5 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

11AC20SISO\_Ant1\_5240 11AC20SISO\_Ant1\_5260 11AC20SISO\_Ant1\_5300 101  
11AC20SISO\_Ant1\_5320 11AC20SISO\_Ant1\_5500 102 11AC20SISO\_Ant1\_5580  
11AC20SISO\_Ant1\_5700 11AC20SISO\_Ant1\_5745 103 11AC20SISO\_Ant1\_5785  
11AC20SISO\_Ant1\_5825 104 11AC40SISO\_Ant1\_5190 11AC40SISO\_Ant1\_5230  
11AC40SISO\_Ant1\_5270 105...

lang:es score:10 filesize: 5.92 M page\_count: 28 document date: 2024-01-25



[pdf]

RF Test Data for 5GWiFi Antenna 1 Part3 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ 2A9LJME10 me10

11N40SISO\_Ant1\_5230 11N40SISO\_Ant1\_5270 11N40SISO\_Ant1\_5310 51  
11N40SISO\_Ant1\_5510 11N40SISO\_Ant1\_5550 52 11N40SISO\_Ant1\_5670  
11N40SISO\_Ant1\_5755 11N40SISO\_Ant1\_5795 53 11AC20SISO\_Ant1\_5180  
11AC20SISO\_Ant1\_5220 54 11AC20SISO\_Ant1\_5240 11AC20SISO\_Ant1\_5260  
11AC20SISO\_Ant1\_5300 55 11AC20SISO...

lang:es score:10 filesize: 5.7 M page\_count: 26 document date: 2024-01-25

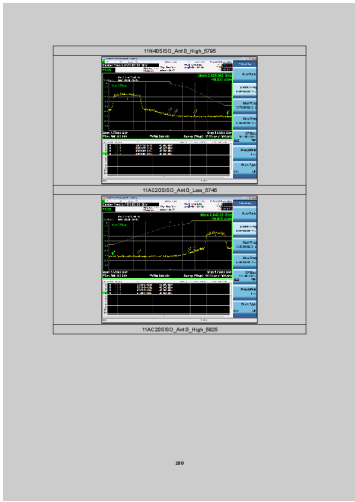


[pdf]

RF Test Data for 5GWiFi Antenna 1 Part6 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ  
2A9LJME10 me10

11A\_Ant1\_5320 11A\_Ant1\_5500 11A\_Ant1\_5580 129 11A\_Ant1\_5700  
11A\_Ant1\_5745 130 11A\_Ant1\_5785 11A\_Ant1\_5825 11N20SISO\_Ant1\_5180 131  
11N20SISO\_Ant1\_5220 11N20SISO\_Ant1\_5240 132 11N20SISO\_Ant1\_5260  
11N20SISO\_Ant1\_5300 11N20SISO\_Ant1\_5320 133 11N20SISO\_Ant1\_5500  
11N20SISO\_Ant1\_5580 134 11N20S...

lang:i-klngon score:10 filesize: 5.88 M page\_count: 25 document date: 2024-01-25



[pdf]

RF Test Data for 5GWiFi Antenna 0 Part8 Meferi Technologies Co Ltd ME10 Wearable Computer 2A9LJ  
2A9LJME10 me10

11N40SISO\_Ant 0\_High\_5795 11AC20SISO\_Ant 0\_Low\_5745 11AC20SISO\_Ant  
0\_High\_5825 180 11AC40SISO\_Ant 0\_Low\_5755 11AC40SISO\_Ant 0\_High\_5795  
181 11AC80SISO\_Ant 0\_Low\_5775 11AC80SISO\_Ant 0\_High\_5775  
11AX20SISO\_Ant 0\_Low\_5745 182 11AX20SISO\_Ant 0\_High\_5825  
11AX40SISO\_Ant 0\_Low\_5755 183 11AX40SISO\_A...

lang:i-klngon score:9 filesize: 1.62 M page\_count: 6 document date: 2024-01-25