

Wall-Mounted All-in-One Machine F1854 Instruction Manual



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Instruction Manual for 18.5-Inch Wall-Mounted All-in-One Computer F1854



1. Application Scenarios

It is suitable for enterprises, schools, training institutions, hospitals, administrative units and other scenarios.

2. Product Features

- Rk3576 high-performance octa-core processor;
- Android 15 operating system;
- 18.5-inch HD touchscreen;
- 500W high-definition monocular camera;
- Built-in NFC card reader;
- Built-in microphone with omnidirectional pickup
- Extensive external interfaces;
- Supports Bluetooth, Wi-Fi, and Ethernet connectivity, with optional 4G/5G full-network support.

3, Product Specification Table

		18.5-inch wall-mounted all-in-one computer
Product model		MegaPad 1854
Screen	Size	18.5-inch Full View
	Resolution ratio	1920 (H) × 1080 (V)
	Touch	18.5-inch 10-point capacitive touch
Basic specifications	Operating system	Android 15 BOZZ OS
	Processor	RK3576 A76*4 (2.4GHz) and A55*4 (1.8GHz)
	Memorizer	8GB DDR+64GB EMMC (128GB optional)
	Device power supply	DC 12V/3A
	Device power consumption	36W
	Relative humidity	0%-90% (in the absence of condensed water droplets)
	Working temperature	-10° C~50° C
	Storage temperature	-20° C~70° C
	Service environment	Indoor
	Device size	456.3*282.5*36mm
Hardware configuration	External buttons	Power button (short press to power on, long press to power off; short press in standby mode, long press in power-off mode)
	Joggle	DC power port *1
		USB TYPE-A 3.0*1
		USB TYPE-A 2.0*1
		RJ45 LAN (1000M, supports POE 802.3at) *1
		USB TYPE-C*1
		Headphones*1
	Camera	500W monocular camera with autofocus
	Microphone	Built-in microphone with omnidirectional pickup
	Loudspeaker	2W*2
	NFC	14443 Type A/B, supports MIFARE DESFire EV3 protocol
	PDA	Bluetooth 5.2

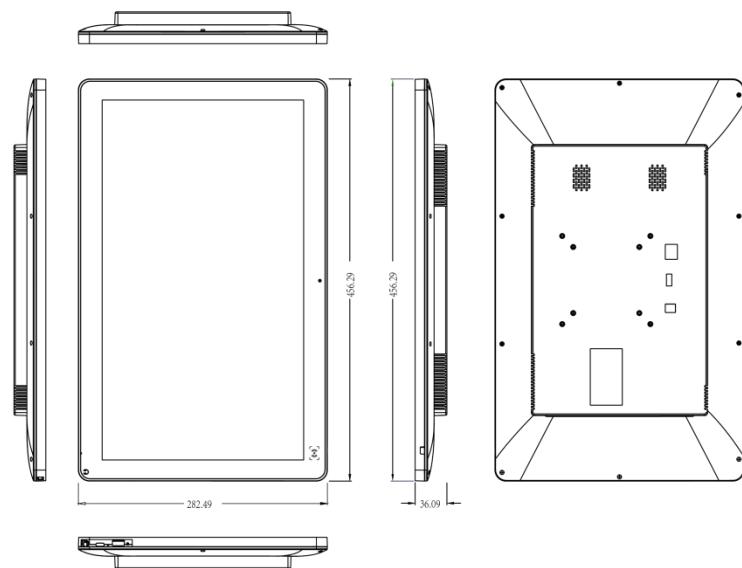
WIFI

Wi-Fi 6 supports IEEE802.11 a/b/g/n/ac

4. Overall Render



V. Structural Dimension Diagram(456.3 mm*282.5 mm*36mm)



VI. Introduction to Functions and Interfaces



7. Installation Notes

- 1、 During actual wiring, if the host's 12V power supply line lacks a dedicated extension cable and has a long distance, the excessive equivalent resistance of the cable may cause terminal voltage deficiency ($\leq 11V$), repeated host restarts, or system crashes.
- 2、 The installation environment must be absolutely dry, and strong electric current as well as strong electromagnetic fields should be avoided. If electromagnetic appliances, mobile phones and other electrical appliances can be moved freely, they should be kept as far away from the equipment as possible.
- 3、 This precision device requires protection against impacts, drops, and vibrations to prevent motherboard components from detaching or internal camera damage, which could cause functional or performance issues.
- 4、 The device comes with a built-in power adapter, as shown in the figure, with a total length of 1.8 meters.
 - The power cord extension should not exceed 3 meters, as exceeding this length may cause insufficient voltage supply to the device's main unit, resulting in frequent restarts, system crashes, and other malfunctions.
 - If other adapters (e.g., 9V/1A) are used, insufficient voltage or low current may cause the device to restart repeatedly.
 - Avoid using excessively thin cables (e.g., thin Ethernet cables). It is recommended to use parallel multi-strand cables or thicker copper-core cables to ensure a voltage above 11V.

Note: For Ethernet cables, use a 4-core extension cable with the positive terminal on the 4th wire and the negative terminal on the 3rd wire.

- If you are unsure how to extend the power supply, contact the supplier to replace it with a dedicated extension cord.