

YTKK104DZ (Core i7-7500U)

Generic 10.4 Inch Embedded Resistive Touch Industrial All-in-one Computer User Manual

Model: YTKK104DZ (Core i7-7500U, 4Gb RAM+64Gb SSD)

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your 10.4 Inch Embedded Resistive Touch Industrial All-in-one Computer. This device features resistive touchscreen technology, offering single-touch, pressure-sensing control with a theoretical lifespan of over 50 million clicks. It is equipped with Mohs grade 7 explosion-proof glass and is designed to operate within a temperature range of -20°C to 60°C.

The computer's display offers a brightness of 250-350 cd/m² and a contrast ratio of 1000:1. It comes with a power adapter (Input: 100-250VAC, Output: DC 12V 5A) and supports various plug types (AU, EU, USA, UK). The default operating system is Windows 10 Pro, with Windows 7 or Linux available as optional installations.



3MM slim design



Embedded design



Figure 1: Front view of the computer showcasing its slim design and embedded installation capability, with Windows 10 operating system.

2. WHAT'S IN THE BOX

Upon unpacking, please verify that all components are present and undamaged. The package should contain:

- 1 x 10.4 Inch Embedded Resistive Touch Industrial All-in-one Computer
- 1 x Power Adapter (with appropriate regional plug)
- Mounting hardware (for embedded or wall mount installation)

3. SETUP

Follow these steps to set up your industrial all-in-one computer:

1. **Unpacking:** Carefully remove the computer and all accessories from the packaging. Retain packaging for future transport or storage.
2. **Mounting:** Determine your preferred installation method. The unit supports embedded and wall-mount installations. Use the provided mounting hardware to secure the computer in place. Ensure the mounting surface is stable and can support the device's weight.



The following installation methods are for reference only.

Figure 2: Reference for installation methods, demonstrating how the unit can be embedded or secured with screws.

- 3. Connecting Peripherals:** Connect necessary peripherals such as a keyboard, mouse, or external display to the available ports. The unit features multiple interfaces including HDMI, USB (USB1, USB2), VGA, LAN, and Audio ports.

10.4 Inch detailed size drawing

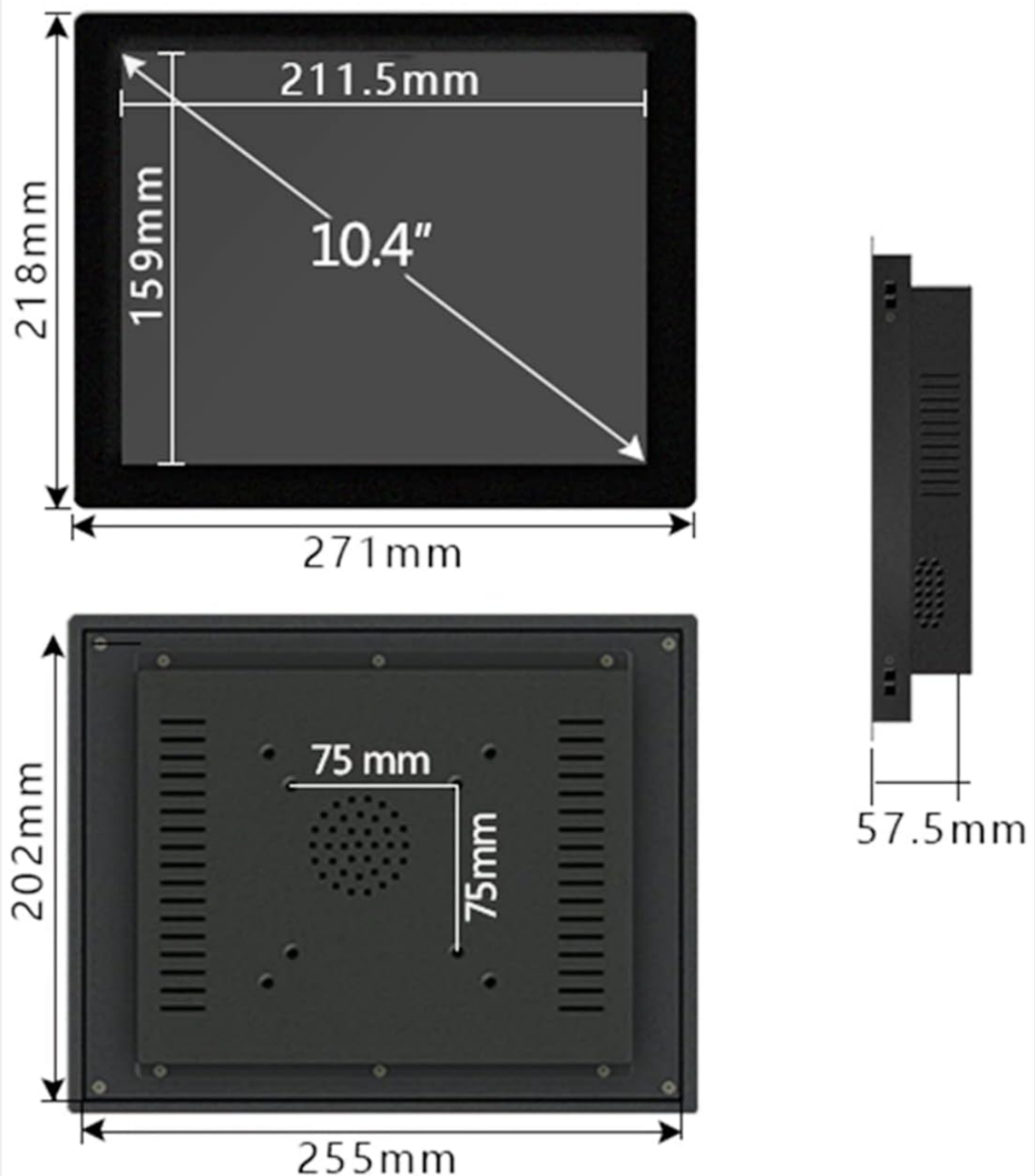


Figure 3: Overview of the multiple interfaces available on the rear panel for various connectivity requirements.

4. **Power Connection:** Connect the provided DC 12V 5A power adapter to the DC12V input port on the computer, then plug the adapter into a suitable power outlet.

4. OPERATING INSTRUCTIONS

This section outlines the basic operation of your industrial all-in-one computer.

- **Power On/Off:** Locate the power button, typically on the side or rear panel. Press it once to power on the device. To power off, use the operating system's shutdown function. For a forced shutdown, press and hold the power button for several seconds.
- **Touchscreen Operation:** The resistive touchscreen supports single-point touch input. Apply gentle

pressure with your finger or a stylus to interact with the display.



Figure 4: User interacting with the resistive touchscreen display.

- **Operating System:** The computer comes pre-installed with Windows 10 Pro. Familiarize yourself with the operating system's interface and functions.

5. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your industrial computer.

- **Cleaning:** Use a soft, damp cloth to clean the screen and exterior surfaces. Avoid abrasive cleaners or solvents that could damage the display or finish. Ensure the device is powered off and unplugged before cleaning.
- **Ventilation:** The unit is designed with ventilation to dissipate heat. Ensure that the ventilation openings on the back panel are not obstructed to prevent overheating.

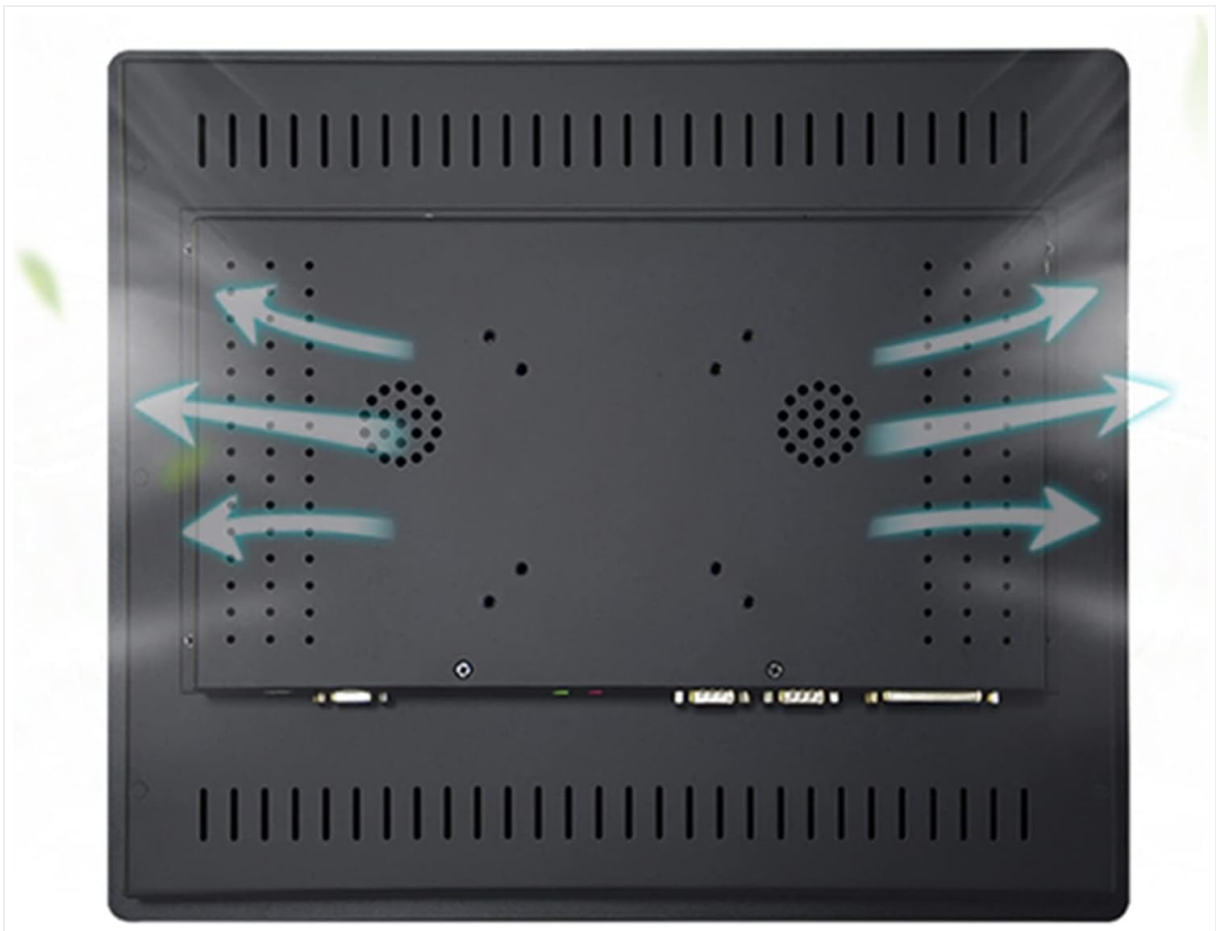


Figure 5: Rear panel with ventilation design for efficient heat management.

- **Environmental Conditions:** Operate the computer within the specified temperature range of -20°C to 60°C . Avoid exposing the device to extreme humidity or direct sunlight.

6. TROUBLESHOOTING

If you encounter issues with your industrial computer, refer to the following common troubleshooting steps:

- **No Power:**
 - Check if the power adapter is securely connected to both the computer and the power outlet.
 - Verify that the power outlet is functional by plugging in another device.
- **No Display:**
 - Ensure the computer is powered on.
 - If an external monitor is connected, check its power and cable connections.
- **Touchscreen Unresponsive:**
 - Restart the computer.
 - Ensure the screen is clean and free of debris.
- **System Slowdown:**
 - Close unnecessary applications.
 - Check for sufficient free space on the SSD.

7. SPECIFICATIONS

Detailed technical specifications for the 10.4 Inch Embedded Resistive Touch Industrial All-in-one Computer (Model YTKK104DZ).

Feature	Specification
Brand	Generic
Model Number	YTKK104DZ
Operating System	Windows 10 Pro (Win7/Linux optional)
CPU Model	Core i7-7500U
CPU Speed	2.7 GHz
RAM Memory Installed	4 GB DDR3
Memory Storage Capacity	64 GB SSD
Screen Size	10.4 Inches
Resolution	1024 x 768
Display Type	LCD
Aspect Ratio	4:3
Human-Interface Input	Touchscreen (Resistive)
Brightness	250-350 cd/m ²
Contrast Ratio	1000:1
Explosion-Proof Glass	Mohs grade 7
Operating Temperature	-20°C to 60°C
Hardware Interface	Ethernet, USB (4 Total), HDMI (1 Total)
Wireless Technology	Wi-Fi
Item Dimensions	10.67 x 2.28 x 8.58 inches
Item Weight	4 Kilograms
Power Plug Type	Type A - 2 pin (North American)

Multiple interfaces

various requirements



Figure 6: Detailed dimensional drawing of the 10.4-inch industrial computer.

8. WARRANTY AND SUPPORT

Warranty: This product comes with a **1-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Support: For technical assistance, troubleshooting, or inquiries regarding customization options (such as screen size, interface type, power supply, or installation methods), please contact the manufacturer. Customization inquiries can be sent via email to: Slubee-zzl@outlook.com.