

T5 User Manual



Version 1.0

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1. Product overview



1.1 Product features

- 1) 15.6" TFT LCD Screen (High resolution 1920 x 1080p). Multi-touch projected capacitive touch screen,
- 3) Supports 2 cash drawer open via Y cable (Optional) (YLD-J6412 MB only).
- 4) RJ50 (RS232) Ports support Vcc5V 和 Vcc12V power supply.

1.2 Specifications

ELanda SPEC		
Model Number	T5	
CPU Support	Intel Elkhart Lake J6412 2.0GHz (up to 2.6GHz,1.5MB Cache)	
System Memory	1 x DDR4, SO-DIMM, 4GB (Max. 32GB)	
Storage	SATA	1x 2.5" SATA (optional)
	mSATA/M.2	1x mSATA 64G (128G/256G optional)
LCD	Size	15.6" TFT LCD Panel
	Brightness	220cd/m2 (Typ.)
	Resolution	1920 x 1080
Touch Screen	True-Flat Projected Capacitive Touch	
Tilt Angle	0 ~ 60 degree	
External I/O Port	USB	4 x USB 3.0 +2 x USB 2.0 (Powerd,default setting)
	Serial port	3 x Serial port (RJ50); (COM1~3: 0/5/12V by pin-JP)
	VGA	1 x VGA (Power enable by BIOS; +12V)
	HDMI	1 x HDMI Connector(enable by BIOS; VGA Colay)
	Cash Drawer Port	1 x RJ11,12V(Controls 2drawers Dual Independent Sensor)
	LAN	1 x LAN (10/100/1000Mb)
	Audio	1 x Mic-In/Speaker-out (Combo Jack)

	DC-IN	1 x DC In(4pin)
	DC-Out	N/A
	Power Switch	1 x Power Switch
Speaker		2 x 2W speaker (Optional)
Power		External power adapter,12V-5A/60W
EMC Safety		CE, ROHS
Environ ment	Operating Temperature	0°C ~ 35°C
	Storage Temperature	-15°C ~ 60°C
	Operating Humidity	20% - 85% RH non condensing
	Storage Humidity	20% - 85% RH non condensing
OS Support		Windows11/10 LTSC/Ubuntu 18.0.4
Dimension (W x D x H)		385mm x 200mm x 320mm
Weight (N.W./G.W.)		3.6Kg / 5.3Kg
Wall Mount		VESA 100 x 100mm
optiona l	WiFi	mPCI-E WiFi/BT
	MSR	MSR + iButton (Combo) o r MSR +RFID (Combo) ,USB(VCOM optional) , 1、2、3 Track, ISO7810,7811-1/2/3/4/5,IBM,AAMVA,JIS-2 Standard

Scanner	DY3090(USB,1D,2D,Reading precision: \geq 3mil,Dimension:21.4mm x 10.8 x 15.2mm)
Customer display	VFD display,USB (VCOM), 2x20 characters
2nd Display	VGA, 9.7" (1024 x 768) VGA, 11.6" (1366 x 768) VGA, 12.1" (1280 x 800)

2. Product Overview



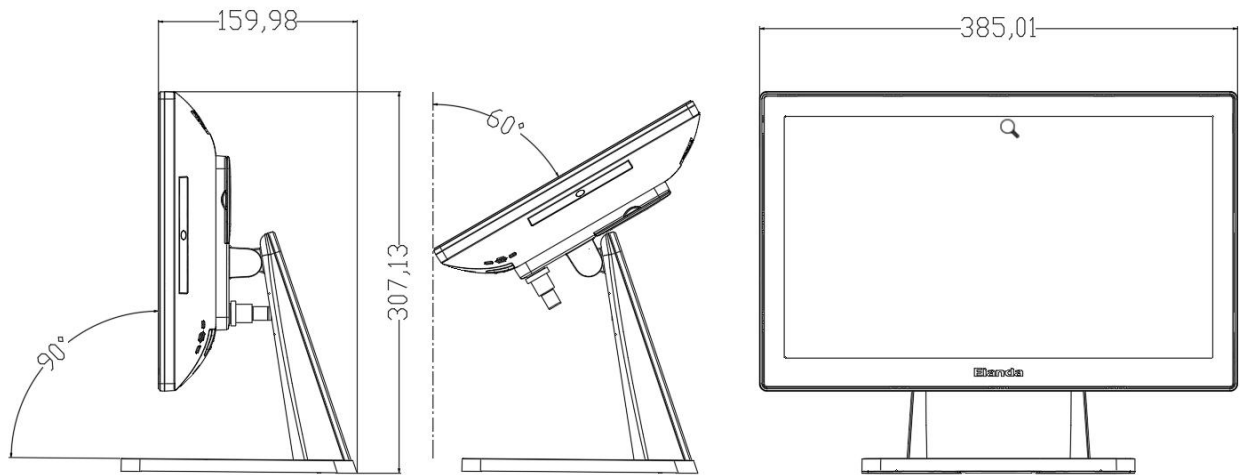
Front



Rear

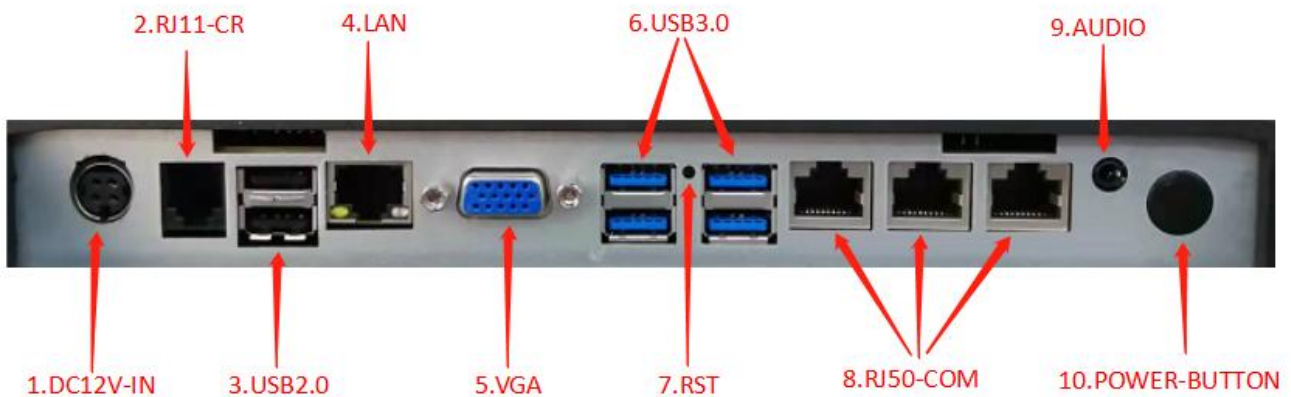


Side



Product Size and Screen Tilt Angle

3. I/O Ports



1) DC-IN (12V-5A)

Note: Please use the original power adapter from Elanda to power the machine. For the use of the power adapter from other brands, be careful with its output power and wattage, otherwise it may damage the machine.

2) RJ11 Cash Drawer Port

The RJ11 on a J6412 configuration supports dual cash drawer signals. Please purchase the original 1 to 2 two RJ11 conversion cable from Elanda if you need the 2 controls of two cash drawers at the same time.

3) 2 x USB2.0

The USB 2.0 on a J6412 configuration is the standard Universal Serial Bus with standby power.

4) LAN

Supports 10M/100M/1000M network.

5) VGA

This VGA port (9PIN) can provide 12V-2A DC-OUT as the working power for the 2nd screen. If you need to connect the machine to a second screen, please use the screen from Elanda.

Note: Please refer to BIOS DISPLAY SETUP for the setting of the 9PIN power.

6) 4 x USB 3.0

USB3.0 standard bidirectional high-speed Universal Serial Bus interface.

7) RST BIOS Settings

If the machine does not display or the does not turn on after changes in BIOS Settings, you can hold down the RST button for 5 seconds to reset the BIOS while the machine is powered off.

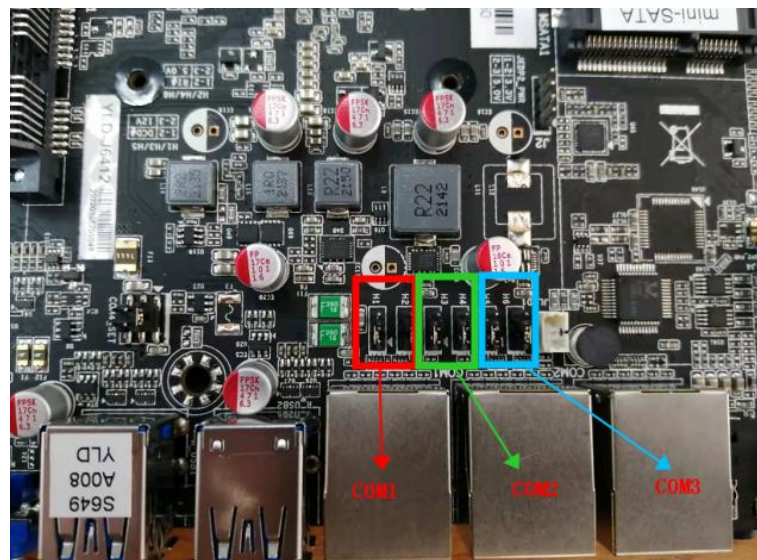
8) 3 x RJ50 (COM)

RJ50 is the standard communication port for COM in RS232, and please choose the

the RJ50 to DB9 conversion cable from Elanda; if you choose an adapter from other vendors, you may damage the port or machine.

The 9PIN in the DB9 port of the RJ50 conversion cable is VCC 5V or 12V, which provides power to the connected (VFD, etc) terminal. The 9PIN outputs +5V or +12V can be enabled by adjusting the COM jumper on the mainboard as in the photo below.

Note: The connection with an incorrect defined cable may damage the port or machine.

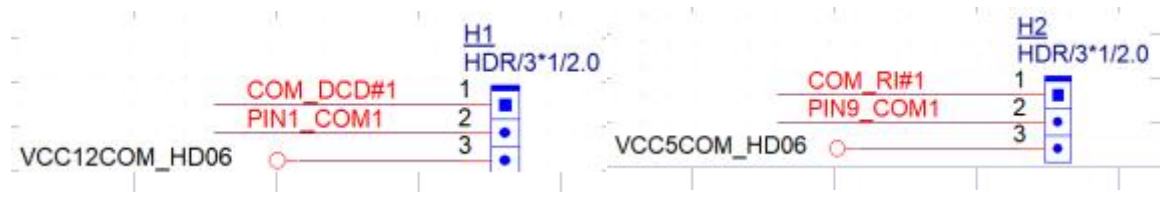


H1, H2 for COM1. H3, H4 for COM2. H5, H6 for COM3

For example:

For H1, set the jumper at 1~2, COM1 = DB9' 1st PIN is DCT. Set the jumper at 2~3, COM1 = DB9' 1st PIN is DC+12V;

For H2, set the jumper at 1~2, COM1 = DB9' 9th PIN is RI. Set the jumper at 2~3, COM1 = DB9' 9th PIN is DC+5V.



H1, H3, H5 Jumper

H2, H3, H4 Jumper

9) Audio Combo

Φ3.5mm headphone and microphone jacks with the CTIA international standard.

10) Power button

Before powering on the machine, please check whether the indicator at the lower corner of the panel is green, and ensure that the adapter power supply is working. If the indicator is green and the indicator is blue after pressing the power button, wait for the machine to load the operating system and then it can be used normally.

4. Installation

4.1 Packing list

NO.	List	Quantity	Remark
1	POS	1 pc	
2	DC12V-5A power adapter	1pc	
3	Power cord	1pc	
4	RJ50 to DB9 cable	2 pcs	
5	2 nd display or VFD	1 pc	Optional

5. FAQ

5.1 The indicator light at the lower right corner of the machine is not on, why?

- A. Check whether the indicator of the power adapter is on;
- B. If the indicator is faulty, check whether the external AC power socket has power;
- C. Check whether the DCIN plug of the I/O panel falls off;
- D. Replace the power adapter with the same voltage and wattage to test;
- E. The mainboard or internal circuit of the machine is faulty , please contact the local service provider for maintenance.

5.2 The indicator light in the lower right corner of the machine screen turns blue, but there is no image when you press the power button. Why?

- A. Note whether there is a "di-di-di" alarm when booting. If there is, please turn to a professional to reinstall the memory or replace the memory to test;
- B. If there is no any alarm sound, check whether the power button is damaged. The test can be carried out by short circuiting the power pins in the mainboard.
- C. The mainboard or its internal circuit is faulty, please contact the local service provider for maintenance.

5.3 The machine is completely unresponsive to touch, why?

- A. After logging into the system, check Control Panel -- to see whether there is a Tablet Setting option under Hardware and Sound. If you can find the tablet touch option, open it and test the touch screen by following the steps afterwards, and then calibrate the touch screen with the 4 corners;

B. If the problem cannot be solved by the steps above, replace the touch controller or touch panel by reference to the disassembly and installation guide and it should be solved;

5.4 There is no display with the optional VGA cable for the secondary screen from Elanda, why?

A. Check whether the VGA cable and DC power cable on the secondary screen are connected or locked.

B. If the display still shows no image after step A, connect it to a standard VGA monitor to test. If the it still fails after switching to another VGA monitor, the VGA port on the mainboard is faulty, and you can contact the local service provider for maintenance.

6. Safety and use precautions

- 1) Choose a flat and vibration-free surface to place the machine on.
- 2) For the placement of the machine , it should be selected to avoid the direct sunshine, with little temperature change, away from the water source or with less dust.
- 3) Please keep the machine away from strong electromagnetic fields.
- 4) Please be careful to use the power adapter with the same voltage as marked on the machine nameplate, otherwise the machine will be seriously damaged to

fail to work. It is better not to share sockets with other high-power appliances that frequently power on, such as refrigerators, air conditioners, heating equipment, etc. The power socket should be near the machine so that the power can be cut off quickly in case of emergency.

5) The working temperature of the machine is $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$, please avoid placing the machine in an environment with too low or too high temperature, otherwise it may not work properly when the temperature falls out of its designed operating temperature .

6) When cleaning the surface of the machine, please do not use wet cleaning tools or chemicals(such as gasoline, thinner, etc.) to wipe the panel;

7) When the machine fails, immediately cut off the power. Please do not disassemble the machine for maintenance, and instead contact the machine service provider in time.

Note: Elanda will not be responsible for the damage and other consequences caused by failing to comply with the above recommendations, or improper use of the machine, maintenance from unqualified personnel or the use of parts not provided by Elanda.