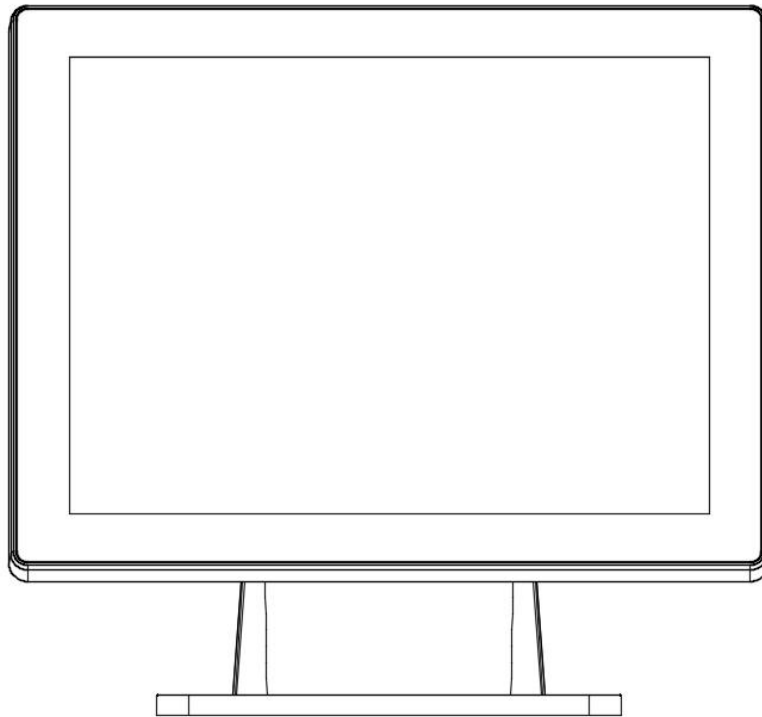


User Manual of of T1e

(XB-3.5inch-J6412)



Version 1.0

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1. Overview

1.1 Features

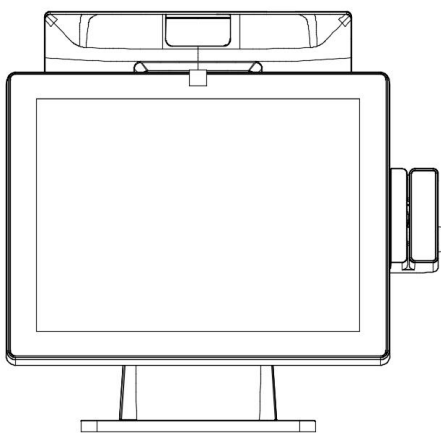
- 15” TFT LCD Screen (best resolution 1024 x 768);
- Multi-touch projected capacitive touch screen, supports touch sound feedback;
- RS232 in RJ50 supports VCC 5V or 12V power output (only 5V for 11/12th Intel Core motherboard);
- Supports WiFi and Bluetooth onboard module with the 3.5 ” Intel J6412 motherboard;
- Great compatibility, easy and convenient to be replaced with different motherboards

1.2 Specifications

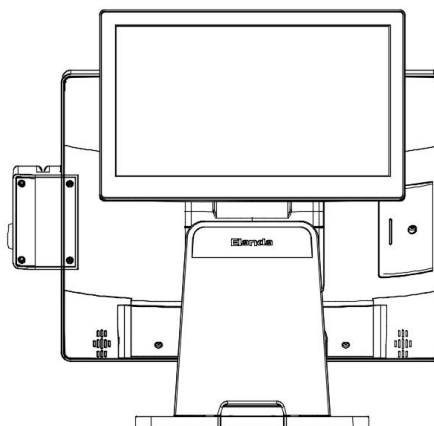
Elanda SPEC		
Model	T1e	
CPU Support	Intel Elkhart Lake J6412 2.0GHz (up to 2.6GHz,1.5MB Cache)	
System Memory	1 x DDR4,SO-DIMM , 4GB (Max. 32GB)	
Storage	mSATA	1x mSATA 2242-SSD (Optional)
LCD	Size	15" TFT LCD Panel
	Brightness	350cd/m2 (Typ.)
	Resolution	1024 x 768
Touch Screen	True-Flat Projected Capacitive Touch	
Tilt Angle	0 ~ 60 degrees	
External I/O Port	USB	4 x USB 3.0 + 2 x USB 2.0 (Powered, default setting)
	Serial port	2 x Serial port (RJ50); (COM1~2, 5V output for 10 th pin by default)
	HDMI	1 x HDMI
	Cash Drawer Port	1 x RJ11,12V
	LAN	1 x LAN (10/100/1000Mb)
	DC-IN	1 x DC In (4PIN)
	DC-OUT	1 x DC-Out (12V HDMI power)
	Power Switch	1 x Power Switch

WIFI		WiFi 2.4-5G/BT4.2
Speaker		2 x 2W speaker (Optional)
Base LED		USB, White, 95 x 20 x 2.8mm (Optional)
Power		External power adapter, 12V-5A/60W
EMC Safety		CE, FCC, UKCA, ROHS
Environment	Operating Temp.	0°C ~ 35°C
	Storage Temp.	-15°C ~ 60°C
	Operating Humidity	20% - 85% RH, non condensing
	Storage Humidity	20% - 85% RH, non condensing
OS Support		Windows 10/11 64bit, Linux
Dimension (L x W x H)		360mm x 190mm x 337mm
Weight (N.W./G.W.)		4.5Kg / 6.0Kg
Wall Mount		VESA 100 x 100mm
Optional	MSR	MSR + iButton (Combo) or 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: ≥3mil, Dimension: 21.4mm x 10.8 x 15.2mm)
	Customer display	VFD display,USB (VCOM), 2x20 characters
	2nd Display	HDMI, 11.6" (1366 x 768) / HDMI, 15.6" (1366 x 768)

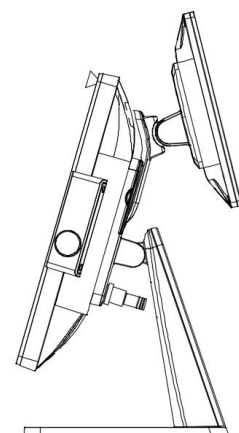
2. Product view



Front



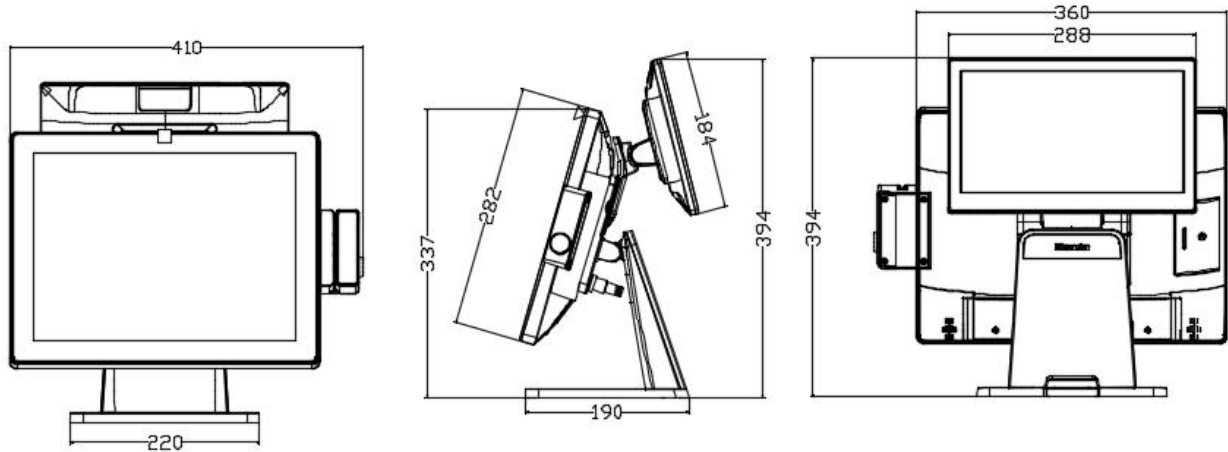
Back



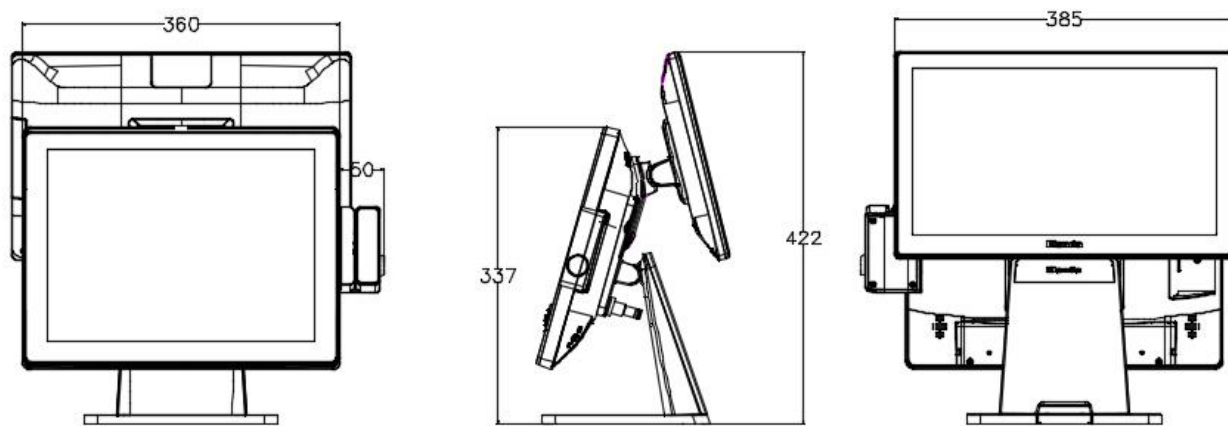
Side

3. Dimension (in mm)

3.1 Dimension with 11.6" 2nd screen

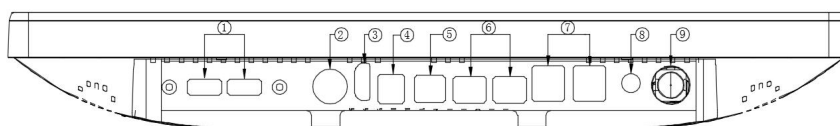


3.2 Dimension with 15.6" 2nd screen



4. IO

Motherboard IO of Intel Celeron Processor J6412:



1) 2 x USB 2.0

The USB 2.0 is of the standard Universal Serial Bus.

2) DC 12V 5A INPUT

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.

3) HDIM

A high-definition display interface, and it can be used to connect a second screen with HDMI.

4) RJ11 (cash drawer control)

The RJ11 supports output of cash drawer signals to open it, and its voltage is 12V.

5) LAN

Supports 10M/100M/1000M network.

6) 2 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.

7) 2 x USB 3.0

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

8) DC12V-OUT

DC12V-OUT is a 12V-2A power output port that supplies power to a HDMI display.

9) Power button

Press this button to power on the machine. The power indicator in the lower right corner of the screen will turn on after power on, and then wait 20 seconds for the system to be ready to use.

5. Packaging list

No.	Content	Quantity	Notes
1	POS	1 pc	

2	DC12V-5A power adapter	1 pc	
3	Power cord	1 pc	
4	RJ50 COM-DB9 adapter cable	2 pcs	
5	2 nd monitor	1 pc	Optional

6. FAQ

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 repairs.

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 repairs.

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.

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 repairs.

7. 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 repairs, 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, repairs from unqualified personnel or the use of parts not provided by Elanda.

