

TA-270AN4000A-A1

27" True-Flat Multi-Touch panel PC
Quick Start Guide

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Packing List

Before setting up your product, please make sure the following items have been shipped:

Item	Quantity
System kit	1
Power Cord : Optional (by region)	1
PSU ADP 19V 65W 100-240VAC (25EP1-100651-A3S)	1
Screws For VESA mounting M4x6L	4

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

About this Document

This User's Manual contains all the essential information, such as detailed descriptions and explanations on the product's hardware and software features (if any), its specifications, dimensions, jumper/connector settings/definitions, and driver installation instructions (if any), to facilitate users in setting up their product.

Users may refer to the GIGAIPC.com for the latest version of this document.

Safety Precautions

Please read the following safety instructions carefully. It is advised that you keep this manual for future references

1. All cautions and warnings on the device should be noted.
2. Make sure the power source matches the power rating of the device.
3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
4. Always completely disconnect the power before working on the system's hardware.
5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
7. Always disconnect this device from any AC supply before cleaning.
8. While cleaning, use a damp cloth instead of liquid or spray detergents.
9. Make sure the device is installed near a power outlet and is easily accessible.
10. Keep this device away from humidity.
11. Place the device on a solid surface during installation to prevent falls
12. Do not cover the openings on the device to ensure optimal heat dissipation.

13. Watch out for high temperatures when the system is running.
14. Do not touch the heat sink or heat spreader when the system is running
15. Never pour any liquid into the openings. This could cause fire or electric shock.
16. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
17. If any of the following situations arises, please the contact our service personnel:
 - i. Damaged power cord or plug
 - ii. Liquid intrusion to the device
 - iii. Exposure to moisture
 - iv. Device is not working as expected or in a manner as described in this manual
 - v. The device is dropped or damaged
 - vi. Any obvious signs of damage displayed on the device
18. **DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE'S PERMITTED STORAGE TEMPERATURES (SEE CHAPTER 1) TO PREVENT DAMAGE.**

FCC Statement

Warning!



This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Caution:

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.

Attention:

Il y a un risque d'explosion si la batterie est remplacée de façon incorrecte. Ne la remplacer qu'avec le même modèle ou équivalent recommandé par le constructeur. Recycler les batteries usées en accord avec les instructions du fabricant et les directives gouvernementales de recyclage.

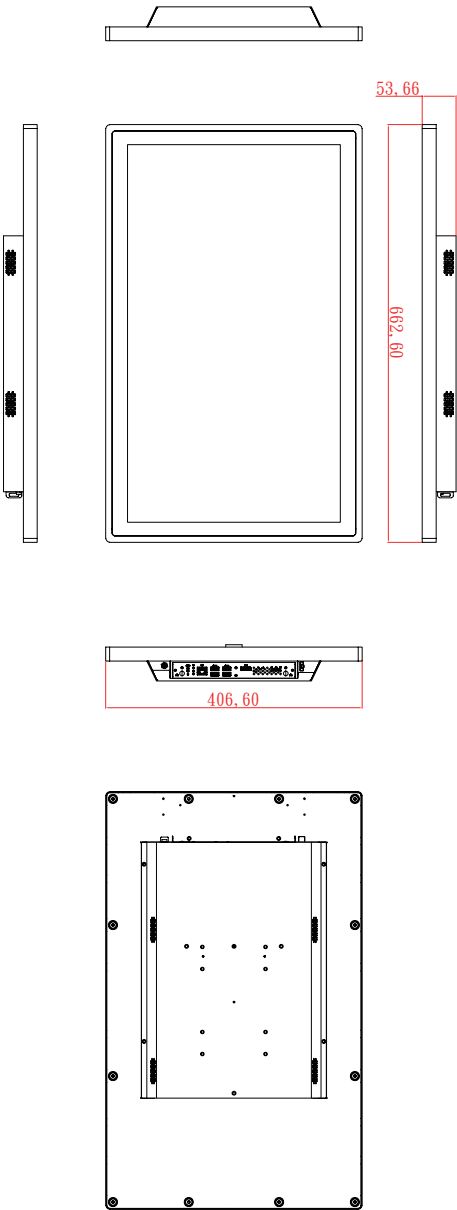
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Chapter 1

Chapter 1 - Product Specifications

1.1 Dimension



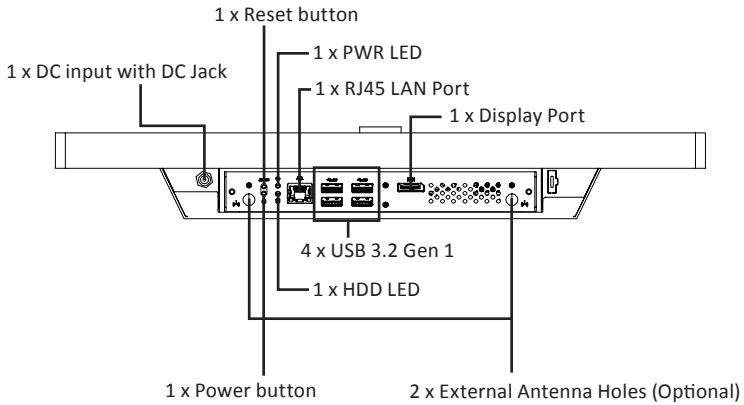
1.2 Specifications

System		TA-270AN4000A-A1
LCD	Panel size	27"
	Resolution	1920x1080
	Viewing angel	Horizontal : 178 / Vertical : 178
	Brightness	300 Cd/M ²
	Color Support	16.7M
	Backlight MTBF	30,000 hrs
	Contrast Ratio	3000
Touch screen	Touchscreen Type	Projected Capacitive (PCAP)
	Surface Hardness	≥ 7H
	Transparency	86%
Dimension		System Size : 662.6W x 406.6D x 53.6H (mm)
Weight		11.6 Kg
CPU		Intel® Celeron® N4000 Processor 14nm, 2 cores, 2 threads, up to 2.6 GHz
Memory		2 x DDR4 SO-DIMM sockets, Max. Capacity 8 GB Support Dual channel DDR4 2400 MHz memory modules
Ethernet		1 x GbE LAN Port (Realtek® RTL8111HS)
Graphics support		Integrated Graphics Processor - Intel® UHD Graphics 600: 1 x DP port (Rear/SDM side), supporting a maximum resolution of 4096x2160 @60Hz (1 independent display outputs)
Audio		Intel® Integrated Audio
Expansion Slots		1 x 2280 M.2 M-Key (SATA 6Gb/s) 1 x 2230 M.2 E-Key
Storage		1 x eMMC 32GB storage (onboard)

System	TA-270AN4000A-A1
Rear I/O	1 x Display Port 1 x RJ45 LAN Port 4 x USB 3.2 Gen 1 1 x PWR LED 1 x HDD LED 2 x External Antenna Holes (Optional) 1 x Reset button 1 x Power button
Power Input	+12V~24VDC
Operation Temperature	Operating temperature: 0°C to 40°C Operating humidity: 0-90% (non-condensing) Non-operating temperature: -40°C to 85°C Non-operating humidity: 0%-95% (non-condensing) Use wide temperature range memory and storage
IP Protection	Front bezel meets IP-65
Mounting	Wall, Stand with VESA 75 x 75
Order Information	25OL5-272700-M0R (8GB DDR5 RAM, 128GB M.2 SSD)

1.3 I/O outlets

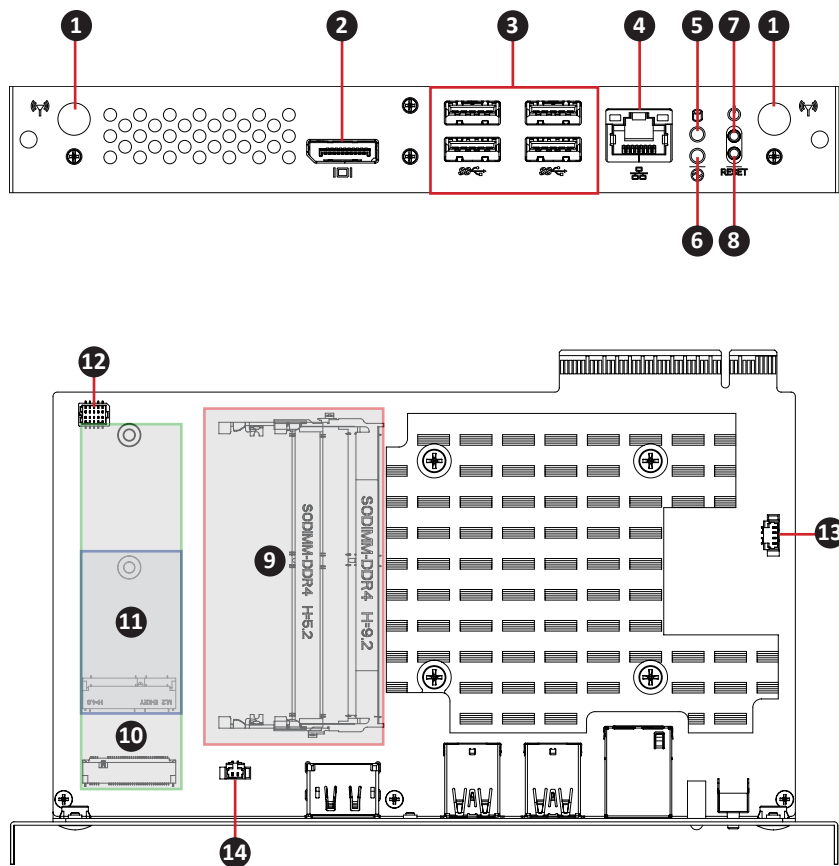
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Chapter 2

Chapter 2 – Hardware Information

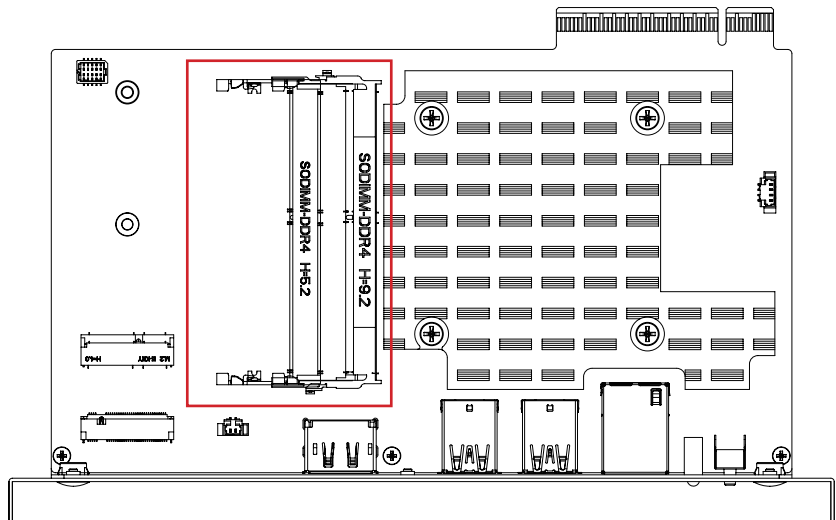
2.1 Jumpers and Connectors



No	Code	Description
1	Antenna Hole	2 x Antenna(WiFi & BT)(Option)
2	DP	1 x Display Port (When SDM Connect Docking board DP port that will choose one of them to working)
3	USB3.0	4 x USB 3.2 Gen 1
4	RJ45	1 x RJ45 LAN Port
5	HDD LED	1 x HDD LED
6	PWR LED	1 x PWR LED
7	Power button	1 x Power button
8	Reset button	1 x Reset button
9	SODIMM	2 x DDR4/3L SO-DIMM sockets
10	M2M	1 x M.2 2280 M-key
11	M2E	1 x M.2 2230 E-key
12	80H	Debug Port
13	CPU_FAN	CPU Fan connector
14	BATTERY	Battery cable connector

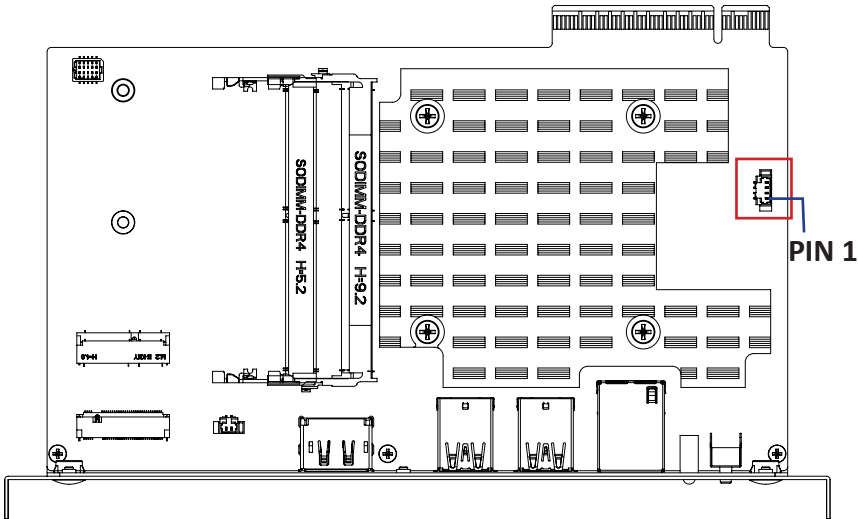
2.2.1 SODIMM (2 x DDR4/3L SO-DIMM sockets)

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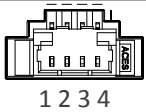


2.2.2 CPU_FAN (CPU Fan connector)

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CPU/System FAN

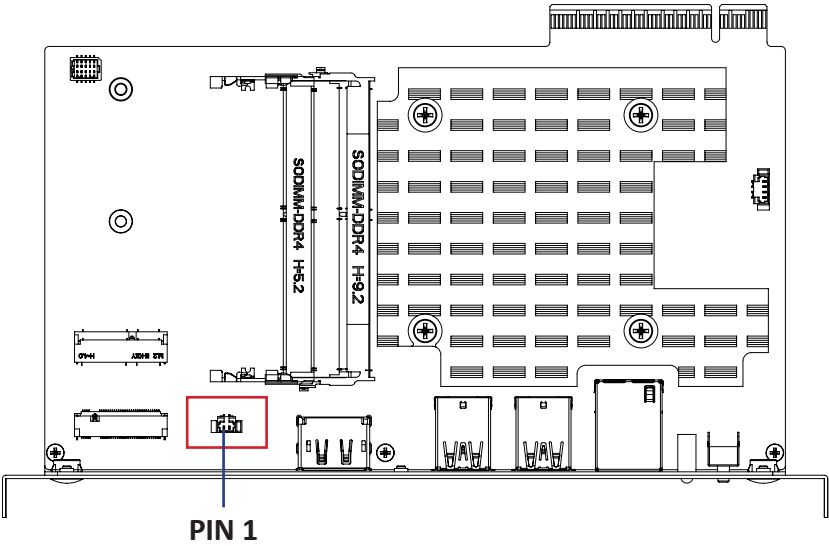


Connector PN	Vendor
85205-0470N	ACES
A1250WV-S-04PC	JOINT-TECH

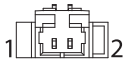
Pin No.	Definition
1	Speed Control
2	Detect
3	GND
4	12V

2.2.3 BATTERY

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Battery Cable Connector



Connector PN

85205-0270L

A1250WV-S-02PC

Vendor

ACES

JOINT-TECH

Pin No.	Definition
1	3.3V RTC
2	GND