

USER'S MANUAL

AOD/ATS 150 metal case (touch) computer Type J3455



Standard type,
also available as:



PCAP panelmount



19 inch Rackmount



Black panelmount



RVS panelmount



Hinges



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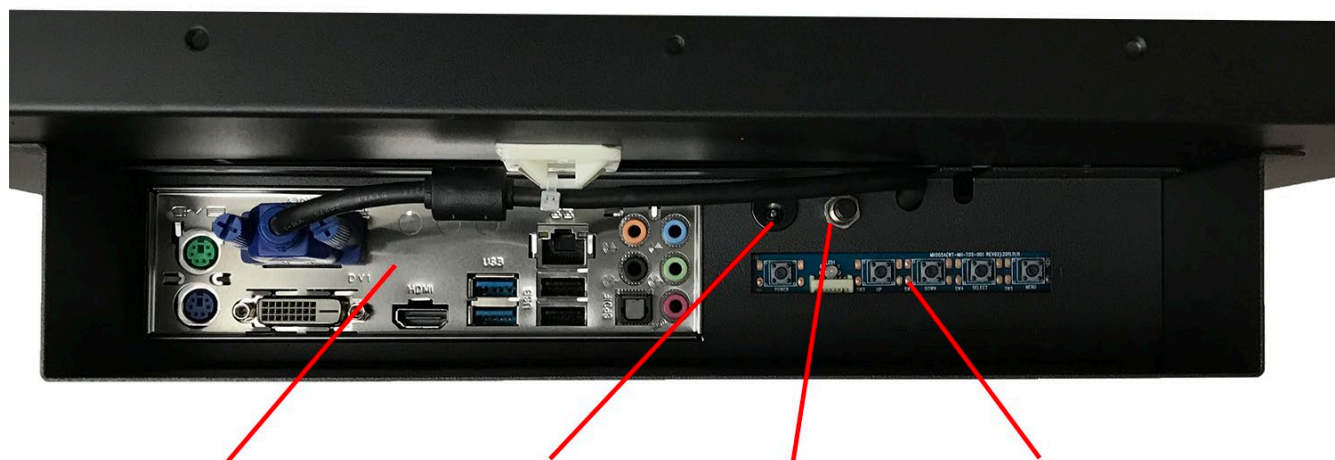
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1. (Touch) Computer User's Manual

1.0 Connection To the Computer:



I/O panel computer

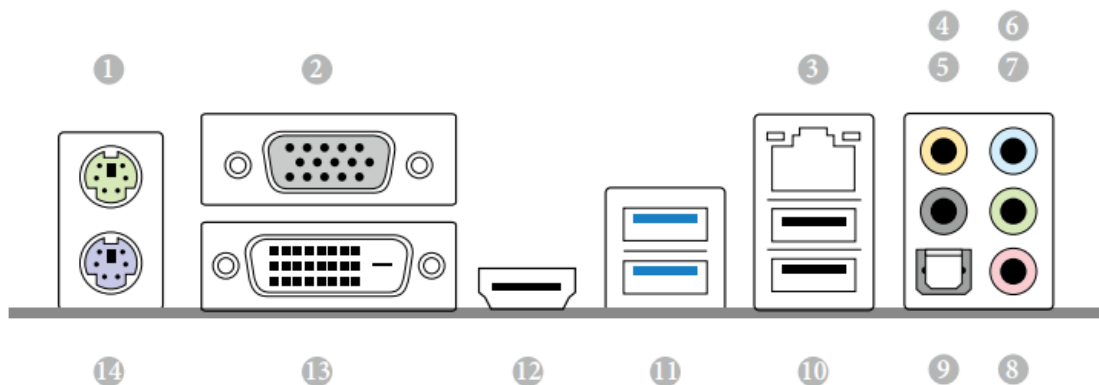
Power input DC

Power button

OSD Control

1.1 Installation

- Mount the unit in position as desired.
You can adjust the connection for your PC environment via I/O panel of computer:



No.	Description	No.	Description
1	PS/2 Mouse Port	8	Microphone (Pink)
2	D-Sub Port	9	Optical SPDIF Out Port
3	LAN RJ-45 Port*	10	USB 2.0 Ports (USB45)
4	Central / Bass (Orange)	11	USB 3.0 Ports (USB3_23)
5	Rear Speaker (Black)	12	HDMI Port
6	Line In (Light Blue)	13	DVI-D Port
7	Front Speaker (Lime)**	14	PS/2 Keyboard Port

- Plug the DC cord of the AC adapter to the power connector and the plug the end of AC adapter to an electrical outlet socket(110V/220V)
- Connect DC cord of adapter 12V DC (option 24v or 220v) to the computer

1.2 Features

- AOD150 has 15" SXGA LCD and support up to 75Hz.
- Mini ITX format Computer with quad core Intel J3455 upto 2.3 Ghz processor Passive cooled !
- Second connection external monitor via DVI (Digital) possible.
- Microphone and speaker integration possible (option).
- You can adjust brightness, contrast, horizontal & vertical positions by OSD menus and use auto adjust function for instant adjustment.
- High-qualified LCD Controller inside
- Robust design and power saving mode
- 100% compatible with Windows PC environment without the installation of driver CD or software program.

1.3 Plug and Play Function

AOD150 is installed with OS on demand. These units are completely installed with activation completed and with latest drivers for plug and play functionality.

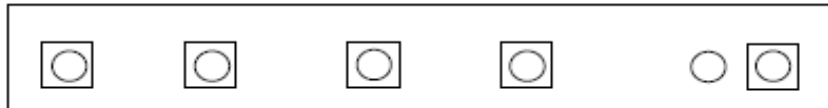
1.4 Safety Precaution

We strongly recommend that you carefully read this User's Manual before operating your computer. FOLLOW INSTRUCTIONS in this manual.

Please read and comprehend all using directives before use this machine.

- **Power**
Use the type of power indicated on the marking label.
- **Adapter**
Only use an adapter designed of the LCD monitor.
- **Plug**
Do not remove any of the prongs of the monitor's three-pronged power plug.
Disconnect the power plug from the AC outlet if you will not use it for an indefinite period of time.
- **Power and extension cord**
- Use the proper power cord with ground conductor
Do not overload wall outlets or power cords. Ensure that the total of all units plugged into the wall outlet does not exceed 7 amperes.
Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord.
- **Care and maintenance**
Slots and openings in the cabinet are provided for ventilation. Do not block or cover these openings. Do not push objects of any kind into cabinet slots or openings. The screen surface is easily scratched. Do not use paper towels to clean the display. Avoid touching it with your fingers, pens, or pencils.
- Turn off the AC adapter and the monitor over long periods when not in use.

1.5 OSD (On-Screen-Menu)



menu

select



down

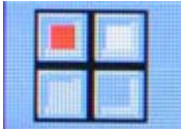

up

power

Button	Function	Status
POWER	Power ON or OFF	ON/OFF
LED	Indicate working status	Green: On Red: Stand-by Orange: No signal
UP	Launch OSD Menu or add value	Move to OSD Menu
DOWN	Launch OSD Menu or add value	Move to OSD Menu
SELECT	Select OSD Menu	
MENU	On /Off OSD Menu	

1.6 OSD Menu

OSD Menu	Description		Remarks
Picture 	Brightness	Adjust the brightness of the screen	Only usable on analog mode
	Contrast	Adjust the contrast of the screen	
	H.Position	Adjust the horizontal position of the screen's image	
	V.Position	Adjust the vertical position of the screen's image	
	Phase	Adjust the focus of the screen's image	
	Clock	Adjust the horizontal size of the screen's image	
	Auto adjust	Automatically adjust the horizontal position, vertical position, horizontal size, and phase window's	
Color 	Color temp	User Reddish Bluish	Control the temperature of the color
	Red	Control the intensity of the color of screen's image	Only usable on
	Green		

	Blue		(usable when color temperature is USER mode.)	analog mode	
	Auto color		Adjust the color balance of the screen		
OSD 	Language	English French German Spanish Italian Korean Japanese	Select one of the seven language	Usable in all Mode.	
	OSD H. Posi.		Select OSD MENU horizontal position		
	OSD V. Posi.		Select OSD MENU vertical position		
	OSD Timer		OSD MENU disappear from over the screen after setting time		
	Transparency		Adjust the transparency of the OSD menu		
Misc. 	Language	English French German Spanish Korean	Select one of the five language	Usable in all Mode.	
	Recall	Initialize the current mode & setting value			
	Input select	Analog	Analog signal (RGB)		
		Digital	DVI digital signal		
	Audio	Audio ON/Off select			
Volume	Adjust volume level				

1.7 Specifications

Name: AOD / ATS 15" (touch) Computer J3455

Monitor specs:

Color panel:	Black powder Coated (other colors on request)
Model:	15 inch XGA TFT LCD Monitor
Type:	15" Color Active Matrix TFT LCD (AUO G150XG03 V5)
Resolution (max):	1024 x 768 (XGA)
Color:	16,2 million
Pixel:	0.297 x 0.1297 mm
Brightness:	350 cd/m ²
Contrast ratio:	700:1
Viewing angle:	85°/85° horizontal & 80°/80° vertical
Respons time	8 ms
Active area:	304,1 (H) x 228,1 (V) mm

Computer specs:

Type computerboard	Intel J3455 Quad core upto 2.3 Ghz, passive cooled
Chipset	No seperate chipset
Memory	2 x DDR3/DDR3L SO-DIMM Slots
Bios	- 64Mb AMI UEFI Legal BIOS with GUI support - Supports Plug and Play - ACPI 5.0 compliant wake up events - Supports jumperfree - SMBIOS 3.0 support
Processor	Intel J3455 Quad core upto 2.3Ghz processor
Flashmodule/ Harddisk	<i>Sata SSD and SATA Harddisk possible</i>
Graphics	- Integrated Intel® HD Graphics 500: 12 EUs inside (Up to 750MHz) - DirectX 12, Pixel Shader 5.0 - Three graphics output options: D-Sub, DVI-D and HDMI - Supports Triple Monitor - Supports HDMI 2.0 with max. resolution up to 4K x 2K (4096x2160) @ 60Hz - Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz - Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz - Supports Auto Lip Sync, xvYCC and HBR (High Bit Rate Audio) with HDMI 2.0 Port (Compliant HDMI 2.0 monitor is required) - Supports HW Accelerated Decoders: H.264 @ level 5.2, HEVC (H.265) 10b @MP level 5.1 (GPU accelerated), JPEG, VP8, VP9 - Supports HDCP with DVI-D and HDMI 2.0 Ports - Supports Full HD 1080p Blu-ray (BD) playback with DVI-D and HDMI 2.0 Ports
LAN (RJ-45)	- PCIE x1 Gigabit LAN 10/100/1000 Mb/s - Realtek RTL8111GR - Supports Wake-On-WAN - Supports Wake-On-LAN - Supports Lightning/ESD Protection (ASRock Full Spike Protection)

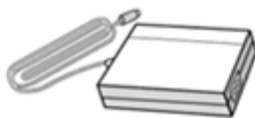
Audio	<ul style="list-style-type: none"> - Supports LAN Cable Detection - Supports Energy Efficient Ethernet 802.3az - Supports PXE - 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)* - Premium Blu-ray Audio support - Supports Surge Protection (ASRock Full Spike Protection) - ELNA Audio Caps
IDE, SATA, Flash	2 x SATA2 3.0 Gb/s Connectors, supporting NCQ, AHCI and Hot Plug
Hardware Monitor + Power Management	Temperature, Voltage, Case open function, Watch Dog timer (manufacturing option)
Operating system	Windows 7, 8, 10 Linux, Win CE, Win7emb, Win10IOT.
I/O system:	<ul style="list-style-type: none"> - 1 x PS/2 Mouse Port - 1 x PS/2 Keyboard Port - 1 x D-Sub Port (occupied) - 1 x DVI-D Port - 1 x HDMI Port - 1 x Optical SPDIF Out Port - 2 x USB 2.0 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 2 x USB 3.1 Gen1 Ports (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) - HD Audio Jacks: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone
Internal I/O:	<ul style="list-style-type: none"> - 1 x PCI Express 2.0 x1 Slot - 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT module - 1 x COM Port Header - 1 x TPM Header - 1 x Chassis Intrusion and Speaker Header - 1 x CPU Fan Connector (3-pin) - 1 x Chassis Fan Connector (3-pin) - 1 x 24 pin ATX Power Connector - 1 x Front Panel Audio Connector - 2 x USB 2.0 Headers (Support 3 USB 2.0 ports) (Supports ESD Protection (ASRock Full Spike Protection)) - 1 x USB 3.1 Gen1 Header (Supports 2 USB 3.1 Gen1 ports) (Supports ESD Protection (ASRock Full Spike Protection))
Energy requirements	35W normal use; 80 W max.; 5 W stand by.
Power	Power supply 84 W External
Weight	4 Kg
Mounting:	VESA 100mm; (Bracket/ stand is optional ; See: mounting brackets)
Dimensions system(B x H x D)	350x274x60 mm
Options:	
Functionality:	With or without touch
- without touch:	Options: No protection, Acrylic, Float or Hardened glass
- with touch:	5 wire resistive, Surface Accoustic Wave or Projected Capacitive
Type of Touch:	Not sure what to use? Call us at +31 (0)45 5748190 or send us contactform

5 wire resistive :	-Standard non-glare. -Touchable with finger, glove and stylus. -Single touch -activation force less than 40 gramm.
SAW:	-Standard glare. -Touchable with finger and glove. -Single touch -activation force less than 85 gramm.
Projected Capacitive:	-Standard glare. -Touchable with finger, glove and pcap stylus. -10 points touch -activation force less than 1 gramm.
External protection:	Standard IP44 or IP65 or higher (not for SAW)
Memory capacity:	No memory (standard), 2, 4 or 8 Gb SoDimm
Storage capacity Sata:	No storage (standard), Harddisk 500 Gb or SSD in 120/240/480 GB or 1TB.
Operating system:	NO OS (standard), Win7 embedded WSP7 multilingual, Win7Pro, Win8Home and Pro, Win10Home or Pro, Windows 10 IOT (embedded), Linux
Input equipment:	None (standard) or wireless keyboard/mouse
Accoustic options:	No speakers/ microfone (standard), Soundbar 2x2Watt integrated, Soundbar + microfone integrated.

1.8 Contents of Package



Computer system



AC/DC Adapter



Power cord



Drivers cd



Other Cables (option)

1.9 Troubleshooting

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

- The system does not respond after you turn on the system :
 - Make sure that the monitor is turned on via OSD button.
 - Turn off the power and check the system's power cord, AC adapter, for proper connection.
- Appear the " No Input the Signal" :
 - Check the connecting of the vga cable on I/O panel computer and power on computer.
- Appear the " Input Not the Supported" :
 - Input signal are insuperable, reset the video mode and adjust video driver settings.
- The appearance is not at the screen center.:
 - Use "AUTO ADJUST", refer to the Controls section.
- The characters on the screen are too dim or too bright
 - Choose fit color temperature, use "AUTO COLOUR ADJUST or manually adjust "RGB ADJUSTMENT, refer to the Control section.