

USER'S MANUAL

AOD/ATS 420 metal case (touch) computer



Back with and without cover



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1. (Touch) Computer User's Manual

1.0 Connection To the Computer:



I/O panel computer

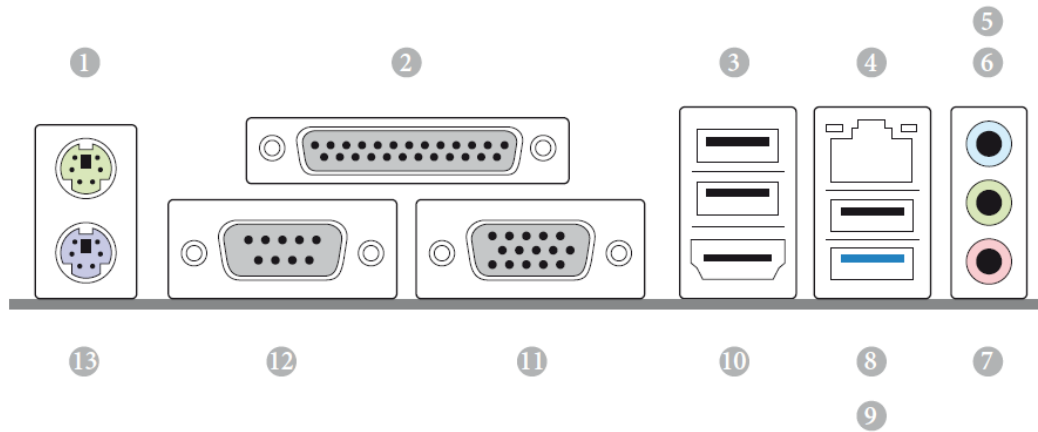
Power input DC

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	USB 2.0 Port (USB2)
2	Parallel Port	9	USB 3.0 Port (USB3)
3	USB 2.0 Ports (USB01)	10	HDMI Port
4	LAN RJ-45 Port*	11	D-Sub Port
5	Line In (Light Blue)	12	COM Port
6	Front Speaker (Lime)	13	PS/2 Keyboard Port
7	Microphone (Pink)		

- Connect 220v to the computer

1.2 Features

- AOD 420 has 42" LCD and support up to 75Hz.
- Mini ITX format Computer with quad core Intel J1900 2.0 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

AOD420 is installed with OS on demand. These units are completely installed with activation completed and with latest drivers for plug and play functionality.

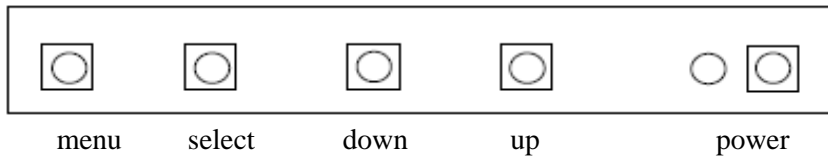
1.4 Safety Precaution

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.

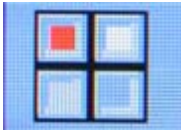

1.5 OSD (On-Screen-Menu)



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
	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 (usable when color temperature is USER mode.)	
	Green		
	Blue		
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 42" (touch) Computer Q1900B

Monitor specs:

Color panel:	Black powder Coated (other colors on request)
Model:	42 inch Color Active Matrix TFT LCD
Type:	AUO T420HVN01.1
Resolution (max):	FULL HD 1920 x 1080 WUXGA
Color:	16,7 million
Pixel pitch:	0.4845
Brightness:	350 cd/m ²
Contrast ratio:	3.000:1
Viewing angle:	89°/89° horizontal & 89°/89° vertical
Response time	5 ms
Active area:	930.24(H) x 523.26(V)

Computer specs:

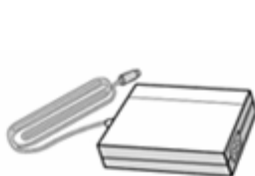
Type computerboard	Intel Q1900B Quad core 2Ghz, passive cooled
Chipset	No seperate chipset
Memory	2 x DDR3/DDR3L SO-DIMM Slots
Processor	Intel Q1900B Quad core 2Ghz processor
Flashmodule/ Harddisk	<i>Sata SSD and SATA Harddisk.possible</i>
VGA	Intel® 7th generation (Gen 7) graphics
LAN (RJ-45)	<ul style="list-style-type: none">• PCIE x1 Gigabit LAN 10/100/1000 Mb/s• Realtek RTL8111GR• Supports Wake-On-WAN• Supports Wake-On-LAN
Audio	5.1 CH HD Audio (Realtek ALC662 Audio Codec)
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, XPe.
I/O system:	1 x On/Off switch 1 x VGA 1 x DVI 4 x USB 2.0 1 x PS/2 Keyboard 1 x PS/2 Mouse 2 x RS232,422,485 COM ports 2 x RJ45 LAN ports 10/100Mb Ethernet (internet connection. Standard) 1 x Mic-in 1 x Line-in 1 x Line-out
Internal I/O:	1 x Mini-PCI socket 1 x PCI-Express x1 slot
Energy requirements	240 W max.; 10 W max stand by.
Power	110 - 230 Volt internal
Weight	43 Kg

Mounting:	VESA 200x100mm, max 400x200mm; (No bracket included in delivery; See: mounting brackets)
Dimensions system(B x H x D)	1064x657x132mm
Options:	
Functionality:	With or without touch
- without touch:	Acrylic or glass
- with touch:	Surface Accoustic Wave or Projected Capacitive
- 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 strage (standard), Harddisk 250/500 Gb or SSD in 60/120/240 or 480 Gb.
Operating system:	NO OS (standard), Win7 embedded WSP7 multilangual, Win7Pro, Win8Home and Pro, Win10Home and Pro.
Input equipment:	None (standard) or wireless keyboard/mouse

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.