USER'S MANUAL

AOD/ATS 215 metal case (touch) computer

Standard type,
also available as:

Black panelmount   RVS panelmount   Hinges

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Contents:

1. (Touch) Computer User's Manual

1.0   Connection To the Computer:

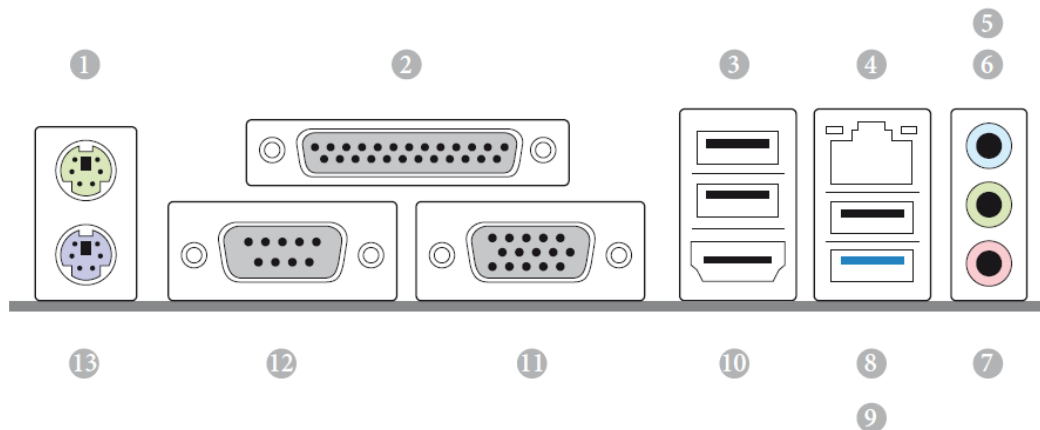**I/O panel computer**   **Power input DC**   **Power button**   **OSD Control**

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)		

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

1.2   Features

- AOD 215 has 21.5" 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

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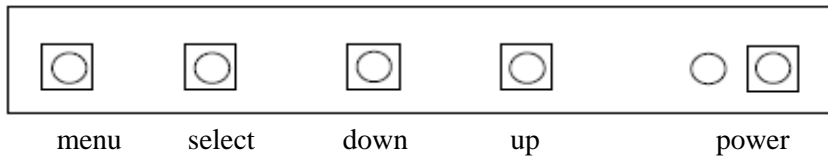
1.4   Safety Precaution

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.
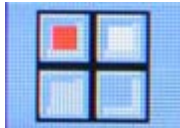
1.5   OSD (On-Screen-Menu)

| 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	
	Contrast		Adjust the contrast of the screen	
	H.Position		Adjust the horizontal position of the screen's image	Only usable on analog mode
	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.)	Only usable on analog 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 21,5" (touch) Computer Q1900B

Monitor specs:

Color panel:	Black powder Coated (other colors on request)
Model:	21,5 inch XGA TFT LCD Monitor
Type:	21.5 inch, 16:9 Color Active Matrix TFT LCD LM215WF3 (LG Philips LCD)
Resolution (max):	1920 x 1080 (Full HD)
Color:	16,7 million
Pixel:	0.2475mm x 0.2475mm
Brightness:	300 cd/m²
Contrast ratio:	300:1
Viewing angle:	89°/89° horizontal & 89°/89° vertical
Response time	5 ms
Active area:	476.64 (H) x 268.11 (V) mm

Computer specs:

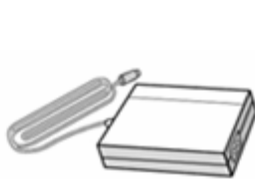|	
Type computerboard:	Intel Q1900B Quad core 2Ghz, passive cooled
Chipset:	No seperate chipset
Memory:	2 x DDR3/DDR3L SO-DIMM Slots
Processor:	Intel Q1900B Quad core 2Ghz processor
Flashmodule/ Harddisk:	*Sata SSD and SATA Harddisk.possible*
VGA:	Intel® 7th generation (Gen 7) graphics
LAN (RJ-45):	• 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, support NCQ, AHCI en 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	35W normal use; 80 W max.; 5 W stand by.
Power	Power supply 84 W External
Weight	7 Kg
Mounting:	VESA 200x100mm; (No bracket/ stand included in delivery; See: mounting_brackets)
Dimensions system(B x H x D)	519x323x88 mm

Options:

Functionality:	With or without touch
- without touch:	Acrylic or glass
- with touch for option "Mounting behind glass = YES": Type of Touch:	Projected Capacitive A1touch and Zytronic. Not sure what to use? Call us at +31 (0)45 5748190 or send us contactform
+ Projected Capacitive (A1touch):	-For glass upto 5mm or Acrylic glass upto 2.5mm. -Touchable with finger, glove and pcap stylus. -10 points touch -activation force less than 1 gramm.
+ Projected Capacitive (Zytronic):	-For glass upto 20mm or Acrylic glass upto 10mm. -Touchable with finger, glove and pcap stylus. -2 points touch -activation force less than 1 gramm.
- with touch for option "Mounting behind glass = NO":	5 wire resitive, Surface Accoustic Wave or Projected Capacitive
- 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 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 SHOK, DO NOT REMOVE COVER.
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONELLE.

- 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.