premio

ALL IN ONE TOUCHSCREEN COMPUTER

AIO-W215-ADL

15.6" Full HD Capacitive IP65 All In One Touchscreen Computer With 12th Gen Intel® N Processor, 2x LAN, 4x USB, 2x COM 1x DP, 1x HDMI

Features

- 15.6" (16:9) Full HD All-in-One Touchscreen Computer
- World Class Certifications for Safety and Reliability: CE/FCC/CB/UL/UKCA/IC
- Front IP65 Rating for protection against water and dust
- Scratch Resistant 7H Glass Hardness
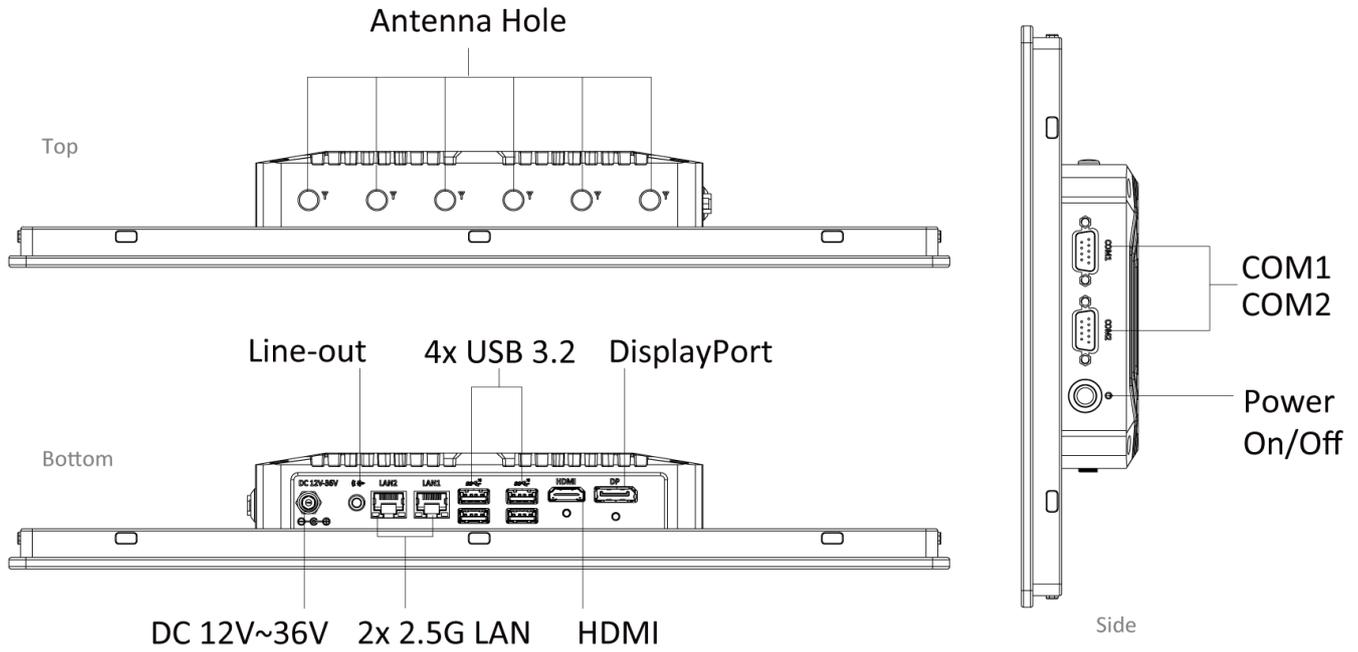- Versatile Display Outputs; HDMI and DP
- MTBF Up to 30,000 Hours

Specifications

Display	
IP Rating	Front IP65
LCD Size	15.6" (16:9)
Max. Resolution	1920 x 1080 (Full HD)
Brightness (cd/m²)	400 nits
Contrast Ratio	800:1
LCD Color	16.7M
Pixel Pitch (mm)	0.17925(H) x 0.17925(V)
Viewing Angle	85 /85 /85 /85 (Typ.) (CR>=10)
Backlight MTBF	30,000 Hours (LED Backlight)
Display Port	1x DP, support 4096 x 2304 Real 4K @60Hz
HDMI	1x HDMI, support 3840 x 2160 UHD@30Hz
LVDS	Default touchscreen LCD, support 1920 x 1200 WUXGA @60Hz
Multiple Display	Triple Independent Displays

Touch	
Touch Type	Projected Capacitive Touch
Surface Hardness	7H / IK07

System	
Processor	Intel® Processor N97 6M Cache, up to 3.60 GHz
System Chipset	SoC integrated
System Memory	DDR5 4800MT/s SODIMM. Max up to 16GB (Default: 8GB)
LAN Chipset	GbE1: Intel I225-V (Support Wake-on-LAN and PXE) GbE1: Intel I225-V (Support Wake-on-LAN and PXE)
Audio Codec	Realtek ALC897
BIOS	AMI uEFI 8Mbit SPI BIOS
Watchdog	Software Programmable Supports 1~255 sec. System Reset

Storage	
M.2 B Key	128G M.2 B Key SSD (Default)

Expansion	
M.2 E Key	1x M.2 E Key Support WiFi 6e (Optional)

I/O	
COM	2x RS-232/422/485
USB	4x USB 3.2 Gen 2
LAN	2x 2.5GbE LAN
Audio	1x Audio out
Others	Support 6x Dipole Antenna (optional)

Operating System	
Windows	Windows 10 / Windows 11
Linux	Linux Ubuntu 22.04

Power	
Power Adapter	60W (12V 5A, Default)
Power Supply Voltage	DC 12~36V
Power Connector	DC Jack 5.5mm/2.5mm

Environment	
Operating Temperature	-10°C to 50°C
Storage Temperature	-20°C to 60°C
Relative Humidity	10% to 80% (non-condensing)
Certification	UL 62368 Ed. 3, CE, FCC Class B, CB, UKCA
Vibration	With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis)
Shock	With SSD: 20G half-sin 11ms

Physical	
Dimensions	400 (W) x 249 (H) x 50 (D) mm
Weights	2.3 kg

Mounting	VESA Mount (75mm x 75mm/100mm x 100mm) Panel Mount (optional)

* All specifications and photos are subject to change without notice.

External I/O Mechanical Layout

Antenna Hole

Top

Line-out   4x USB 3.2   DisplayPort

Bottom

DC 12V~36V   2x 2.5G LAN   HDMI

COM1
COM2

Power
On/Off

Side

Dimension

Unit: mm

50

5 | 17

400

249

8 (MAX. Wall Thickness)

394

243

Cut Out Dimension

190

100

75

130
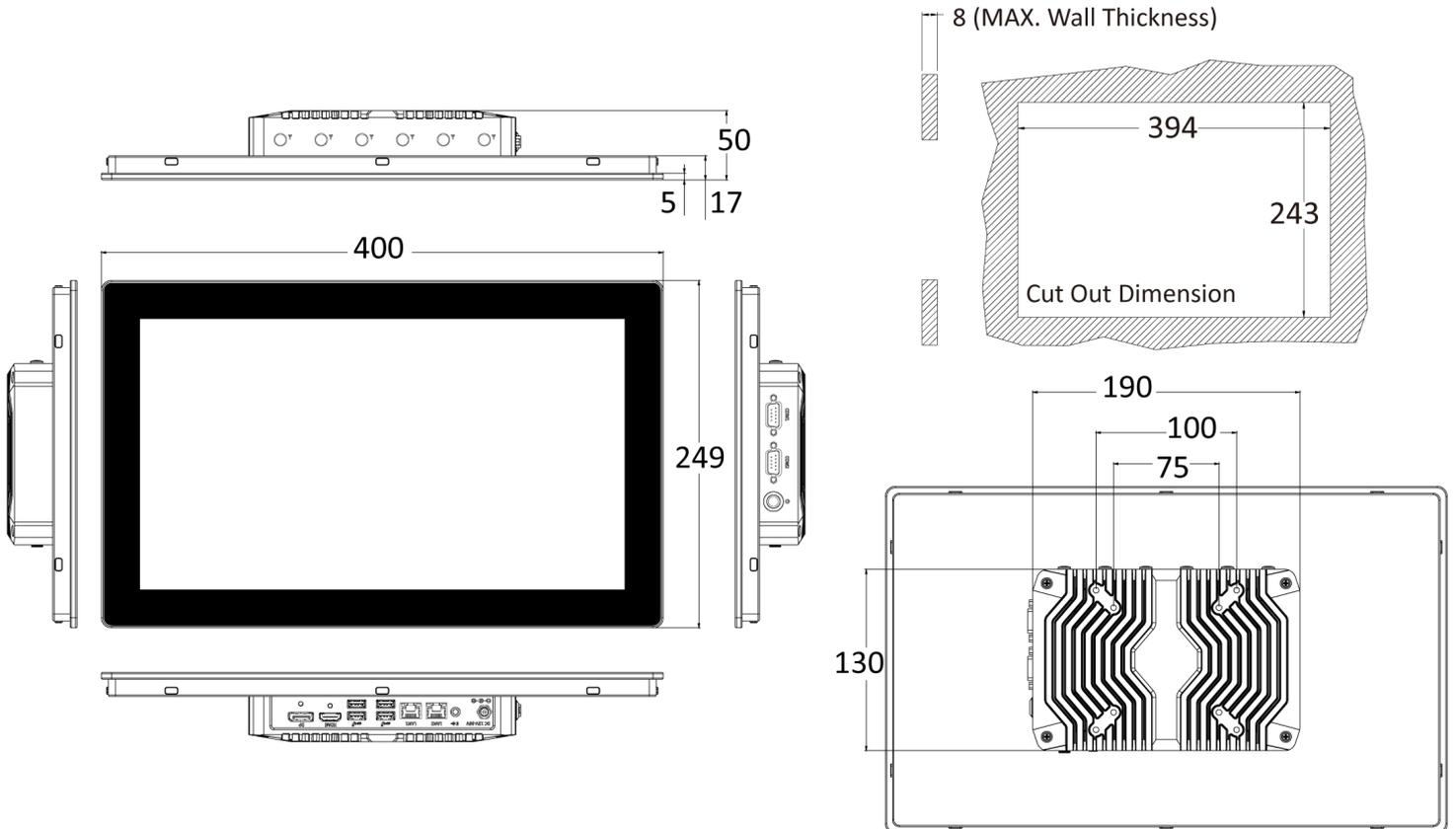
Available Models

Model No.	Description
AIO-W215-2L-N97-P	15.6" Full HD Capacitive IP65 All In One Touchscreen Computer With 12th Gen Intel® N Processor, 2x LAN, 4x USB, 2x COM 1x DP, 1x HDMI

Optional Accessories

Model No.	Description
1-E09A06012	Adapter Output 12V 5A 60W / Input 100-240V
3-WIFI0801S10	WIFI 6E Module KIT, Intel, 2T2R & BT 5.3
1-TCOM00046	COM Cable (ST-2403064/SHININ TECH)
3-AI215040S10	AIO-W221 Panel Mount Bracket Kit
1-TPWR00118	3P Terminal Block(Female) To DC Plug 5.5x2.5 With Lock_100 mm_For AIO Series
3-AI101011S10	AIO Series 2.5" SSD, Cable, Bracket

Packing List

1x AIO-W215-ADL-N97 Touchscreen Computer
1x Adapter 60W 12V 5A
1x 128G M.2 B key SSD
1x 8GB DDR5 4800 MT/s

Compliances and Standards

Shock	With SSD: 20G half-sin 11ms IEC60068-2-27:2008 Designed to comply with MIL-STD-810G Method 516.7 Procedure I
Vibration	With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis) IEC60068-2-64:2008 Designed to comply with MIL-STD-810G Method 514.7 Procedure I
Operating Temperature	-10°C to 50°C IEC60068-2-1:2007 (Cold test procedure) IEC60068-2-2:2007 (Dry heat test procedure) IEC60068-2-3:2007 (Damp heat, steady state, test procedure) IEC60068-2-14:2009 (Wide temperature range thermal shock)
EMI	• FCC Class B • CE • ICES-003 • UKCA
Safety	• UL Safety: UL62368-1, 3rd Ed., (cULus) • Test prcedure: CB Scheme • Standard: IEC 62368-1:2018

Exports And Tariff Codes

ECCN	5A992.c
HTS	8471.50.0150
ScheduleB	84.71