

••• MoniQ-2150

OPS-module-pluggable 10-point PCT Multi-touch
Widescreen Bezel-free Flat Panel Monitor



- 21.5" 16:9 widescreen 10-point PCT multi-touch LCD Display
- 1x OPS module slot
- 1x HDMI, 1x DVI-D, 1x VGA
- 1x USB2.0 for touch functionality
- IP65-rated front design
- Glass hardness of 6H
- Bezel-free flat panel
- "Monitor" mode and "Panel PC" mode switchable



Product Overview

MoniQ-2150 is an innovative 21.5" widescreen multi-touch bezel-free flat panel monitor with an OPS module slot reserved. Thus, it could be a monitor when you connect it to a PC and could transform into a panel PC when you insert an OPS module into it. You can easily switch the mode between "Monitor" and "Panel PC" via OSD menu

The widescreen display provides users a natural, comfortable, non-tiring viewing experience. The 10-point PCT

multi-touch panel provides a friendly intuitive interface and enables possible gesture-controlled applications. Besides, it comes with a variety of display ports, including 1x HDMI, 1x DVI-D and 1x VGA, for various viewing options, and 1x USB 2.0 for touch functionality.

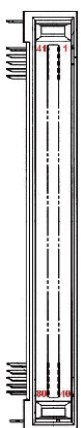
With an IP65-rated front design and anti-scratch glass surface, MoniQ-2150 provides excellent resistance to harsh environmental conditions such as water splash, dust and careless contact with a sharp / rough object.

Technical Information

LCD Display	
Display Size	21.5 inch
Aspect Ratio	16:9
Backlight	LED
Resolution	1920 x 1080 Full HD
Brightness (cd/m², typ.)	250
Contrast Ratio (typ.)	5000:1
Color	16.7M
View Angle (L/R/H/L)	89°/89°/89°/89°
Touch Sensor	
10-point PCT multi-touch sensor	
Display Interfaces	
1x HDMI (on rear)	
1x DVI-D (on rear)	
1x VGA (on rear)	
Audio Interfaces	
1x Line-out (on rear)	
1x Line-in (on rear)	
USB	
1x USB2.0 (Type A on rear for Touch, working only in "Monitor" mode)	
OPS Slot	
1x OPS module slot (with cover on right side)	
Power Supply	
Connector: Lockable DC Jack (on rear)	
Input Voltage: DC 12V (default), 24V or other options (by request)	
Power Adapter: AC to DC, 100V ~ 240V	

System Control & Monitoring	
1x Power LED (on left side)	
1x Power Button (on left side)	
1x Menu / Enter Button (on left side)	
1x Up Button (on left side)	
1x Down Button (on left side)	
1x Exit Button (on left side)	
Cooling	
Smart Fan (working only when OPS module is in operation)	
Construction	
Glass Surface + Aluminum Front Bezel + Metal Chassis	
Dimension (W x H x D)	
542.6 x 339.2 x 73.5 mm / 21.36" x 13.35" x 2.89"	
Weight	
8.8 kg / 19.4 lb	
Environmental Characteristics	
Operation Temperature: 0°C ~ 50°C / 32°F ~ 122°F	
Storage Temperature: -20°C ~ 70°C / -4°F ~ 158°F	
Humidity: 0% ~ 95%	
Mounting	
VESA Mount, Panel Mount	
Certification	
CE, FCC Class A	

OPS Docking Pin Assignment



Pin	Signal Name	Pin	Signal Name	Pin	Signal Name	Pin	Signal Name
1	DDP_3N	21	TMDS_0+	41	StdB_SSRX-	61	USB_PP2
2	DDP_3P	22	GND	42	StdB_SSRX+	62	GND
3	GND	23	TMDS_1-	43	GND	63	USB_PN1
4	DDP_2N	24	TMDS_1+	44	StdB_SSTX-	64	USB_PP1
5	DDP_2P	25	GND	45	StdB_SSTX+	65	GND
6	GND	26	TMDS_2-	46	GND	66	USB_PN0
7	DDP_1N	27	TMDS_2+	47	USB_PN3	67	USB_PP0
8	DDP_1P	28	GND	48	USB_PP3	68	GND
9	GND	29	DVI_DDC_DATA	49	GND	69	AZ_LINEOUT_L
10	DDP_0N	30	DVI_DDC_CLK	50	SYS_FAN	70	AZ_LINEOUT_R
11	DDP_0P	31	DVI_HPD	51	UART_RXD	71	CEC
12	GND	32	GND	52	UART_TXD	72	PB_DET
13	DDP_AUXN	33	+19V	53	GND	73	PS_ON#
14	AAP-AUXP	34	+19V	54	StdA_SSRX-	74	PWR_STATUS
15	DDP_HPD	35	+19V	55	StdA_SSRX+	75	GND
16	GND	36	+19V	56	GND	76	GND
17	TMDS_CLK-	37	+19V	57	StdA_SSTX-	77	GND
18	TMDS_CLK+	38	+19V	58	StdA_SSTX+	78	GND
19	GND	39	+19V	59	GND	79	GND
20	TMDS_0-	40	+19V	60	USB_PN2	80	GND

MoniQ-2150 I/O Ports

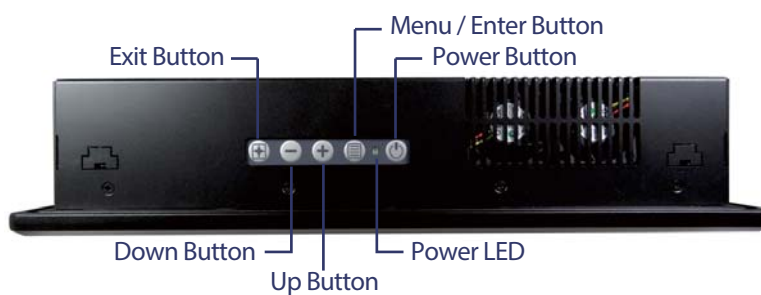
Rear Side



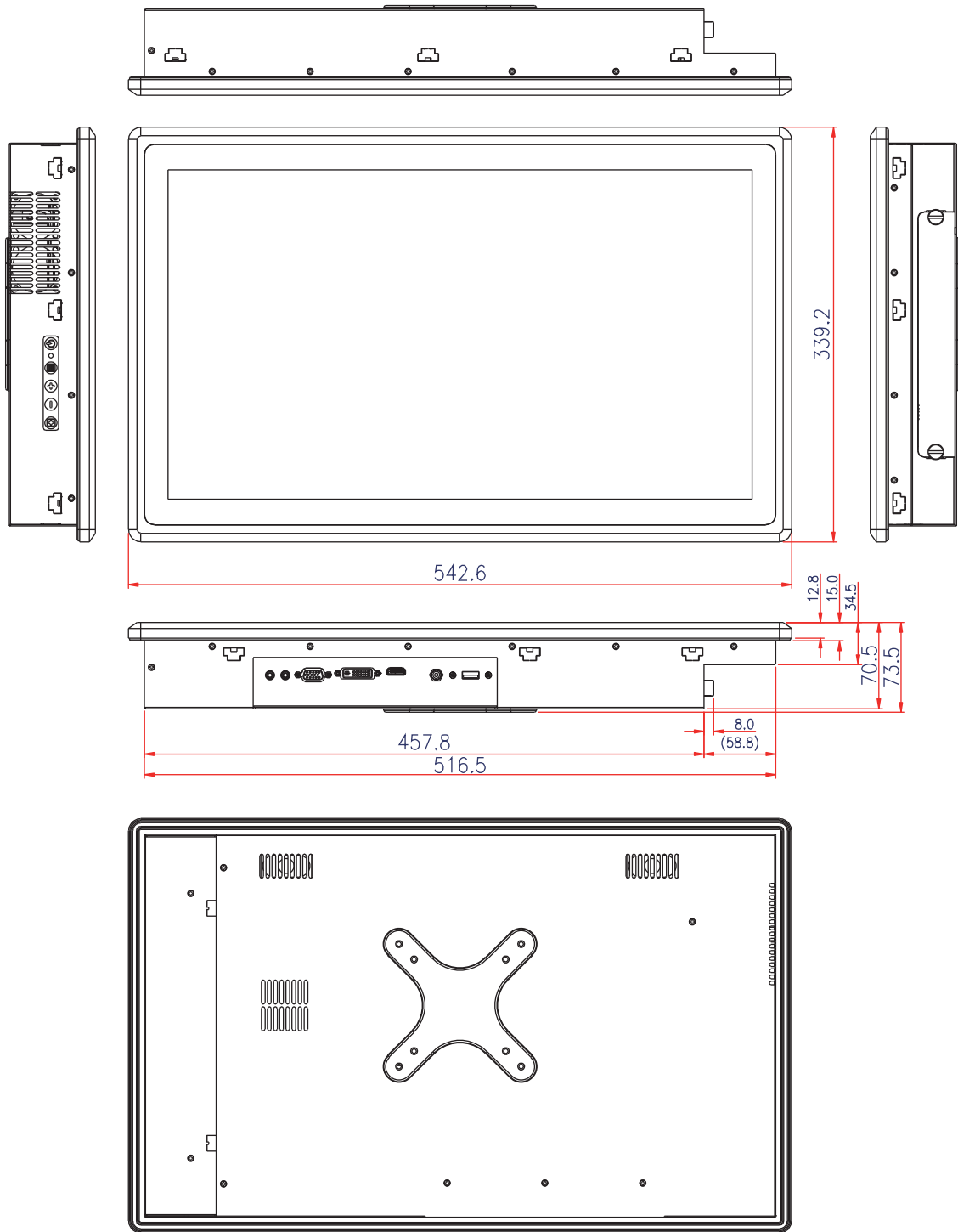
Right Side



Left Side



Mechanical Dimensions



(unit: mm)

Ordering Information

Article	Part No.	Description
MoniQ-2150		21.5" 16:9 10pt PCT, 1x HDMI, 1x DVI-D, 1x VGA, 1x USB2.0, 1x Line-out, 1x Line-in

Available OPS Modules

Article	Part No.	Description
OPS-2050		Intel® Core™ i7-6820HQ, QM170, Intel® HD Graphics 530, 2x DDR4 SO-DIMM, 1x DP, 1x HDMI2.0, 2x LAN, 4x USB3.0, 1x M.2 Key A, 1x M.2 Key B, w/ TPM, w/ iAMT
OPS-2002		Intel® Core™ i5-6200U, Intel® HD Graphics 520, 2x DDR4 SO-DIMM, 1x DP, 2x LAN, 4x USB3.0, 1x M.2, 1x mPCIe, w/ TPM, w/o iAMT
OPS-1040	SOPS104000010T00	Intel® Core™ i7-4700HQ, HM87, Intel® HD Graphics 4600, 2x DDR3/L SO-DIMM, 1x DP, 1x HDMI, 2x LAN, 4x USB3.0, 2x mPCIe/mSATA, w/o TPM, w/o iAMT
OPS-1050	SOPS105000010T00	Intel® Core™ i7-4700EQ, QM87, Intel® HD Graphics 4600, 2x DDR3/L SO-DIMM, 1x DP, 1x HDMI, 2x LAN, 4x USB3.0, 2x mPCIe/mSATA, w/ TPM, w/ iAMT
OPS-1060	SOPS106000010T00	Intel® Core™ i5-4400E, QM87, Intel® HD Graphics 4600, 2x DDR3/L SO-DIMM, 1x DP, 1x HDMI, 2x LAN, 4x USB3.0, 2x mPCIe/mSATA, w/ TPM, w/ iAMT
OPS-1070	SOPS107000010T00	Intel® Core™ i7-5700EQ, QM87, Intel® HD Graphics 5600, 2x DDR3/L SO-DIMM, 1x DP, 1x HDMI, 2x LAN, 4x USB3.0, 2x mPCIe/mSATA, w/ TPM, w/ iAMT
OPS-1080	SOPS108000010T00	Intel® Core™ i7-5850EQ, QM87, Intel® Iris Pro Graphics 6200, 2x DDR3/L SO-DIMM, 1x DP, 1x HDMI, 2x LAN, 4x USB3.0, 2x mPCIe/mSATA, w/ TPM, w/ iAMT
OPS-110	SOPS011000010T00	Intel® Celeron® J1900, Intel® HD Graphics, 2x DDR3/L SO-DIMM, 1x HDMI, 2x LAN, 1x USB3.0, 3x USB2.0, 1x mPCIe, 1x mSATA, w/ TPM, w/o iAMT
OPS-120	SOPS012000010T00	Intel® Celeron® N2930, Intel® HD Graphics, 2x DDR3/L SO-DIMM, 1x HDMI, 2x LAN, 1x USB3.0, 3x USB2.0, 1x mPCIe, 1x mSATA, w/o TPM, w/o iAMT