

••• MoniQ-1500/1700/1900

OPS-module-pluggable
Multi-touch Bezel-free Flat Panel Monitor



- 15"/17"/19" 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 approved front bezel
- Glass hardness of 6H
- Bezel-free flat panel design
- "Monitor" mode and "Panel PC" mode switchable



Product Overview

MoniQ-1500/1700/1900 is an innovative 15" / 17" / 19" 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 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.

Equipped with an IP65-rated front bezel and anti-scratch glass surface, MoniQ-1500/1700/1900 provides excellent resistance to harsh environments and thus is highly suited to a wide range of industrial applications



MoniQ transforms into a panel PC when you insert an OPS module into it.

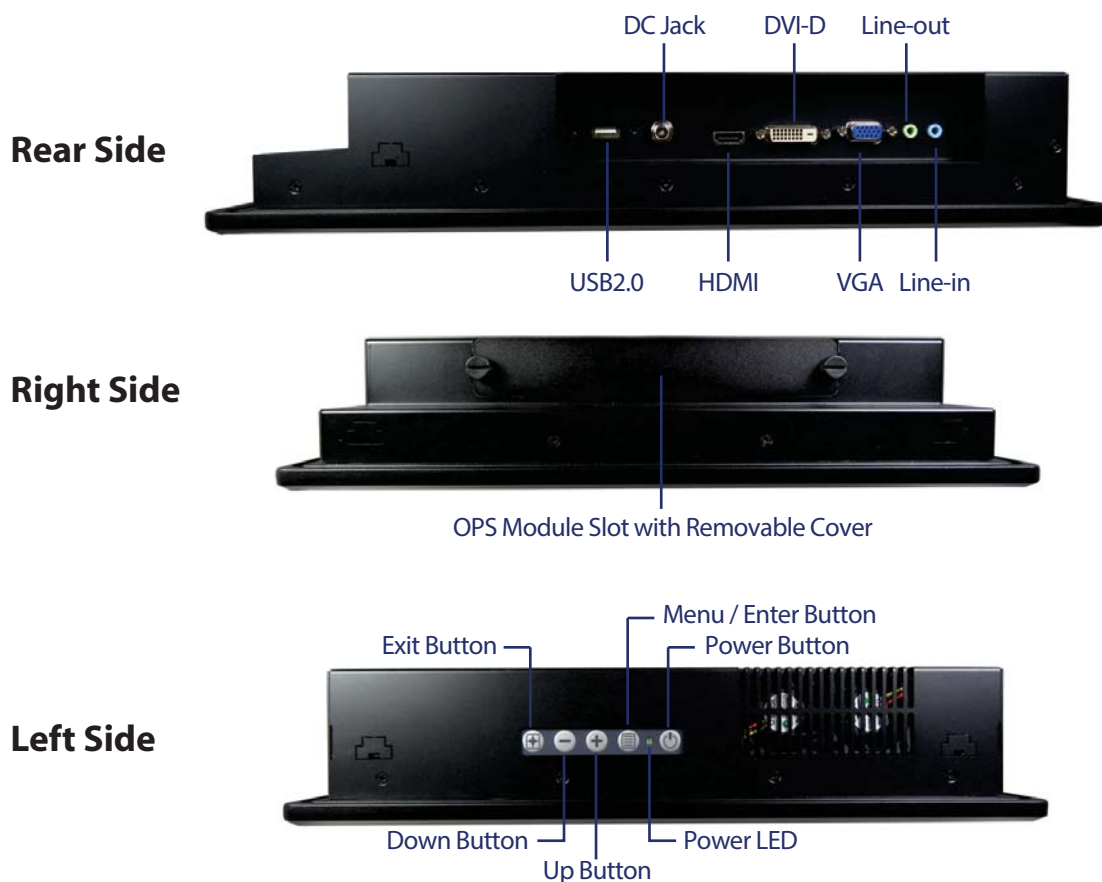
Technical Information

LCD Display	MoniQ-1500	MoniQ-1700	MoniQ-1900
Display Size	15 inch	17 inch	19 inch
Aspect Ratio	4:3	5:4	5:4
Backlight	LED	LED	LED
Resolution	1024x768 XGA	1280x1024 SXGA	1280x1024 SXGA
Brightness (cd/m ² , typ.)	350	350	250
Contrast Ratio (typ.)	600:1	1000:1	1000:1
Color	16.2M	16.2M	16.7M
View Angle (L/R/H/L)	45°/45°/20°/45°	85°/85°/80°/80°	85°/85°/80°/80°
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)		
OPS Slot	1x OPS module slot (with cover on right side)		
Power Supply	Connector: DC Jack (on rear) Input Voltage: DC 12V (optional: DC 24V)		
Status Indicator	1x Power LED (on left side)		

Button & Switch
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)
MoniQ-1500: 381.7 x 305.6 x 69.3 mm / 15.03" x 12.03" x 2.73" MoniQ-1700: 413.0 x 343.9 x 73.3 mm / 16.26" x 13.54" x 2.89" MoniQ-1900: 447.3 x 372.0 x 68.3 mm / 17.61" x 14.65" x 2.69"
Weight
MoniQ-1500: 4.6 kg / 10.14 lb MoniQ-1700: 5.8 kg / 12.79 lb MoniQ-1900: 6.4 kg / 14.11 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

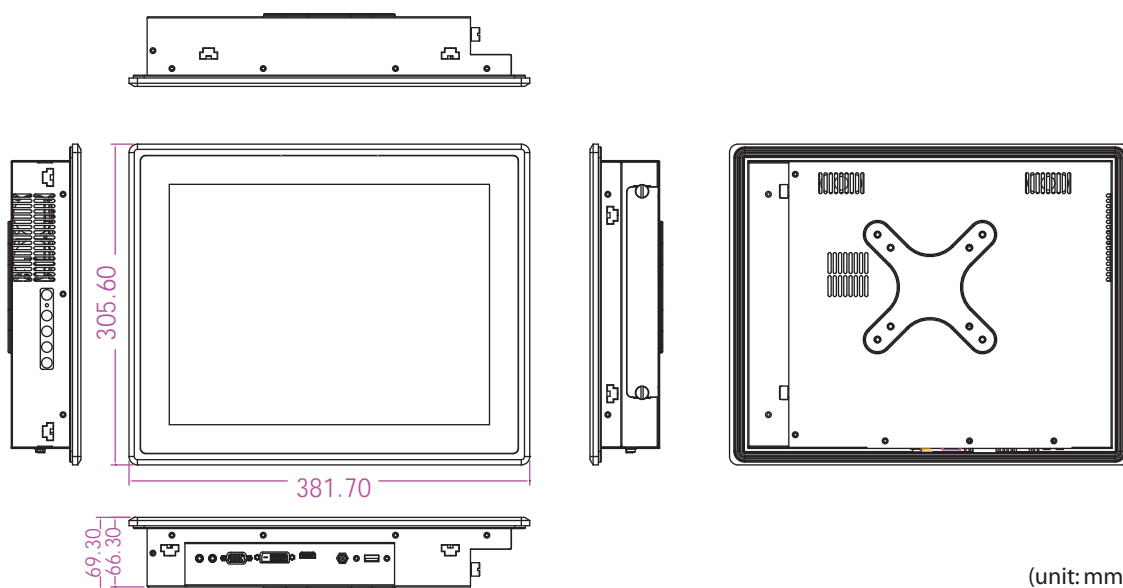
OPS Docking Pin Assignment								
	Pin	Signal Name	Pin	Signal Name	Pin	Signal Name	Pin	Signal Name
	1	DDP_3N	21	TMDS_0+	41	StdB_SSRX-	61	USB_PP2
	2	DDP_3P	22	GND	42	StdB_SSRX+	62	GND
	3	GND	23	TMDS_1-	43	GND	63	USB_PN1
	4	DDP_2N	24	TMDS_1+	44	StdB_SSTX-	64	USB_PP1
	5	DDP_2P	25	GND	45	StdB_SSTX+	65	GND
	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_ON	30	DVI_DDC_CLK	50	SYS_FAN	70	AZ_LINEOUT_R
	11	DDP_OP	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-1500/1700/1900 I/Os

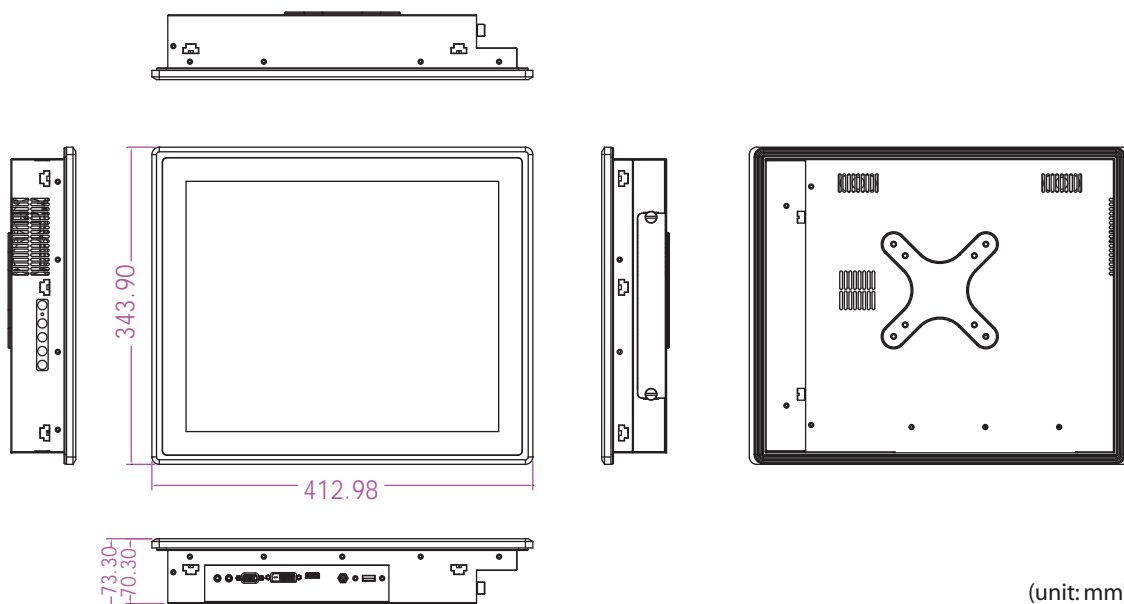


Mechanical Dimensions

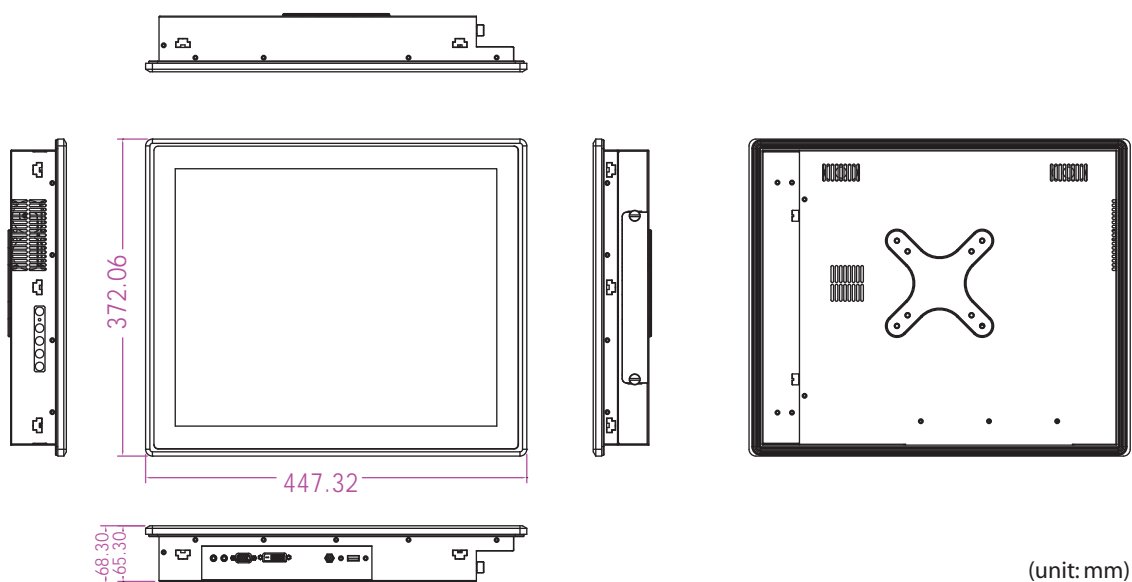
MoniQ-1500



MoniQ-1700



MoniQ-1900



Ordering Information

Article	Part No.	Description
MoniQ-1500		15" 4:3 10pt PCT, 1x HDMI, 1x DVI-D, 1x VGA, 1x USB2.0, 1x Line-out, 1x Line-in
MoniQ-1700		17" 5:4 10pt PCT, 1x HDMI, 1x DVI-D, 1x VGA, 1x USB2.0, 1x Line-out, 1x Line-in
MoniQ-1900		19" 5:4 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-1040	SOPS104000010T00	Intel® Core™ i7-4700HQ, HM87, Intel® HD Graphics 4600, 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, 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, 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, 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, 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, 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, 1x HDMI, 2x LAN, 1x USB3.0, 3x USB2.0, 1x mPCIe, 1x mSATA, w/o TPM, w/o iAMT