

## ARP-3824AP

Panel Mount Panel PC with 24 inch PCAP Touch Screen

### Features

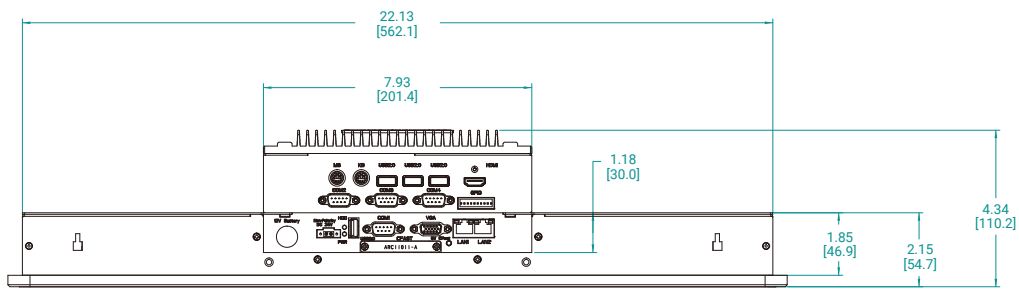
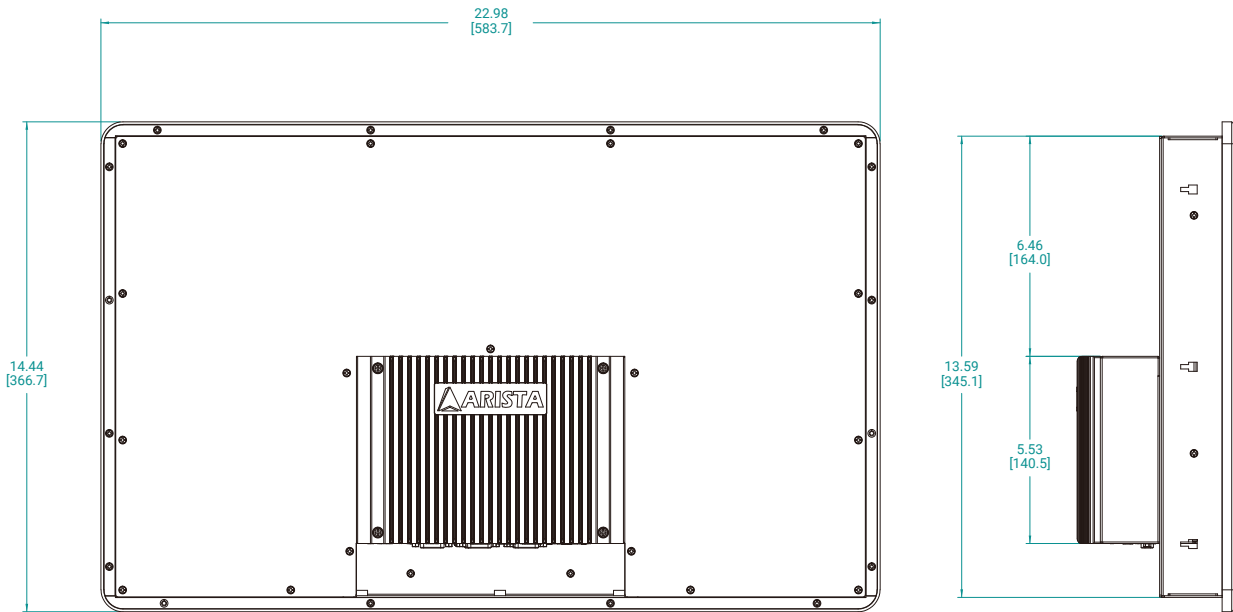
- 24" LCD, 1920 x 1080 Resolution
- Projected Capacitive Touch Screen
- Aluminum or Stainless-Steel 316L Flush Bezel
- Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU; Intel i7-6600U, i5-6300U, Celeron-3855U
- Up to 8GB DDR3/ Up to 16GB DDR4 SO-DIMM
- Optional 2.5" SSD
- Dual Gigabit Ethernet
- 4 x RS-232/422/485 BIOS Selectable
- 1 x 8-bit GPIO (4-bit Input, 4-bit Output)
- 1 x USB 3.0, 3 x USB 2.0 ports

### Specifications

Model Name	ARP-3824AP	
	E01	H01
<b>LCD Display</b>		
Display Size	24 inch	24 inch
Max Resolution	1920 x 1080	1920 x 1080
Backlight Lifetime	50,000 hours	50,000 hours
<b>Visual Characteristics</b>		
Colors	16.7 million	16.7 million
Aspect Ratio	16:9	16:9
Viewing Angle (V/H)	178° / 178°	178° / 178°
Contrast Ratio	5000 : 1	5000 : 1
Brightness	250 nits (Typical)	250 nits (Typical)
<b>Touchscreen</b>		
Technology	Projected Capacitive	Projected Capacitive
Interface	USB	USB
Driver	Windows 7, 8 & 10	Windows 10
<b>Front Bezel</b>		
NEMA 4	Aluminum	Aluminum
NEMA 4x	Stainless Steel 316L(Optional)	Stainless Steel 316L(Optional)
<b>System</b>		
CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU	Intel i7-6600U, i5-6300U, Celeron-3855U
Chipset	Bay Trail	SkyLake
Memory	Up to 8GB DDR3 SO-DIMM	Up to 16GB DDR4 SO-DIMM
Video Controller	Intel Gen7 Intel Graphics DX 11, OGL3.2	Intel HD Graphics 520
External Video Output	VGA, HDMI	VGA, HDMI
Storage Option	2.5" SSD	2.5" SSD
CFast Card	Optional	Optional
Keyboard / Mouse	USB / PS2	USB / PS2
Audio	N/A	N/A
Watchdog Timer	Programmable 1 - 255 sec	Yes
Remote Boot	ThinManager Ready, PXE	PXE
Expansion Slot	Mini PCIe x 2	Mini PCIe x 1
<b>I/O Communication</b>		
USB Port	1 x USB 3.0, 3 x USB 2.0	1 x USB 3.0, 3 x USB 2.0
Serial Port	4 x RS-232/422/485 BIOS Selectable	4 x RS-232/422/485 BIOS Selectable
IEEE 1394	N/A	N/A
LAN	2 x Gigabit	2 x Gigabit
Parallel	N/A	N/A
GPIO	4 x DI, 4 x DO	4 x DI, 4 x DO
<b>Smart Battery</b>		
External Smart Battery	Optional	Optional
<b>OS Support</b>		
OS Support	Windows 7, 8 & 10	Windows 10
<b>Power/Thermal Specs</b>		
Power Requirement (Max)	24VDC / 2.5A	24VDC / 2.8A
Power Consumption (Max)	60 W	68W
Recommended Power Supply	85 W	100W
Heat Dissipation	203 BTU/hr	232 BTU/hr
<b>Physical Information</b>		
Mounting	Panel Mount	Panel Mount
Net Weight	23 Lbs / 10.43 Kg	23 Lbs / 10.43 Kg
Dimension (W x H x D)	22.98 x 14.44 x 4.34 inch 583.7 x 366.7 x 110.2 mm	22.98 x 14.44 x 4.34 inch 583.7 x 366.7 x 110.2 mm
Recommended Cutout Dimension (WxH)	22.36 x 13.82 inch 568.1 x 351.1 mm	22.36 x 13.82 inch 568.1 x 351.1 mm
IP/NEMA Rating	Bezel meets NEMA 4/4X requirement	Bezel meets NEMA 4/4X requirement
Certification	UL 61010	UL 61010
<b>Environmental</b>		
Operating Temperature	0~50°C (32~122°F)	0~50°C (32~122°F)
Storage Temperature	-20~60°C (-4~140°F)	-20~60°C (-4~140°F)
Relative Humidity	0~95%	0~95%

# Dimension Drawing

ARP-3824AP-E01  
 ARP-3824AP-H01  
 Size Unit: inch(mm)



## Ordering Information

Item	ARP-3824AP-E01-003	ARP-3824AP-E01-007
LCD Display	24.0" LCD / 1920 x 1080	24.0" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Aluminum	Stainless Steel 316L
CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU
Memory	4GB DDR3	4GB DDR3
Storage	N/A	N/A
Remote Boot	ThinManager Ready	ThinManager Ready
Power Supply	110/220VAC Input DIN-Rail	110/220VAC Input DIN-Rail

Item	ARP-3824AP-E01-031	ARP-3824AP-E01-035
LCD Display	24.0" LCD / 1920 x 1080	24.0" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Aluminum	Stainless Steel 316L
CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU
Memory	8GB DDR3	8GB DDR3
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	110/220VAC Input DIN-Rail	110/220VAC Input DIN-Rail

Item	ARP-3824AP-H01-031-700	ARP-3824AP-H01-035-700
LCD Display	24.0" LCD / 1920 x 1080	24.0" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Aluminum	Stainless Steel 316L
CPU	i7 6600U	i7 6600U
Memory	16GB DDR4	16GB DDR4
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	110/220VAC Input DIN-Rail	110/220VAC Input DIN-Rail

### ARP-3800AP Series stainless Steel front bezel is made of Stainless Steel 316L and corrosion free against Cleaning Agents and Solvents used in Pharmaceutical industry listed below:

- **Isopropyl alcohol:** Used for cleaning equipment and surfaces due to robust decreasing and disinfection properties.
- **Hydrogen peroxide (50% and 100%):** Used for cleaning and disinfection, as well as the removal of microorganisms in aseptic environments.
- **Acetone:** Used for removing residues insoluble in water. This product is ideal for equipment cleansing.
- **Ethanol:** A common disinfectant frequently used for decontaminating surfaces and equipment.
- **Citric acid:** Used for cleaning stainless steel equipment, removing mineral deposits, and cleansing surfaces.
- **Sodium bicarbonate:** Used for cleaning sensitive surfaces and equipment where more abrasive agents may cause damage.