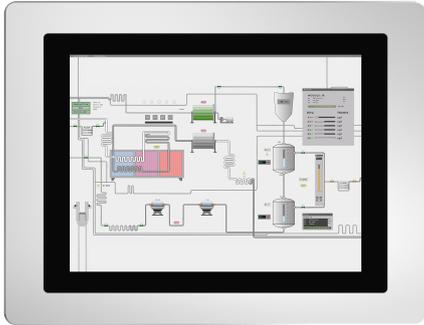




ARP-3812AP-K01

Panel Mount, 12.1" PCAP Touch,
Supports Windows / Ubuntu / ThinManager



Features

- 12.1" LCD, 800 x 600 or 1024 x 768 Resolution
- Projected Capacitive Touch Screen
- Aluminum or 316L Stainless Steel Flush Bezel
- Intel N100 / N200 / X7425E / i3-N305 CPU, Up to 16GB DDR4
- Optional 2.5" SSD, M.2 NVMe SSD
- 1x 2.5G, 1x 1G Ethernet
- 3 x USB 3.2, 1 x USB 2.0 ports
- Powered by 802.3bt PoE or DC 24V option
- Supports Windows / Ubuntu / ThinManager

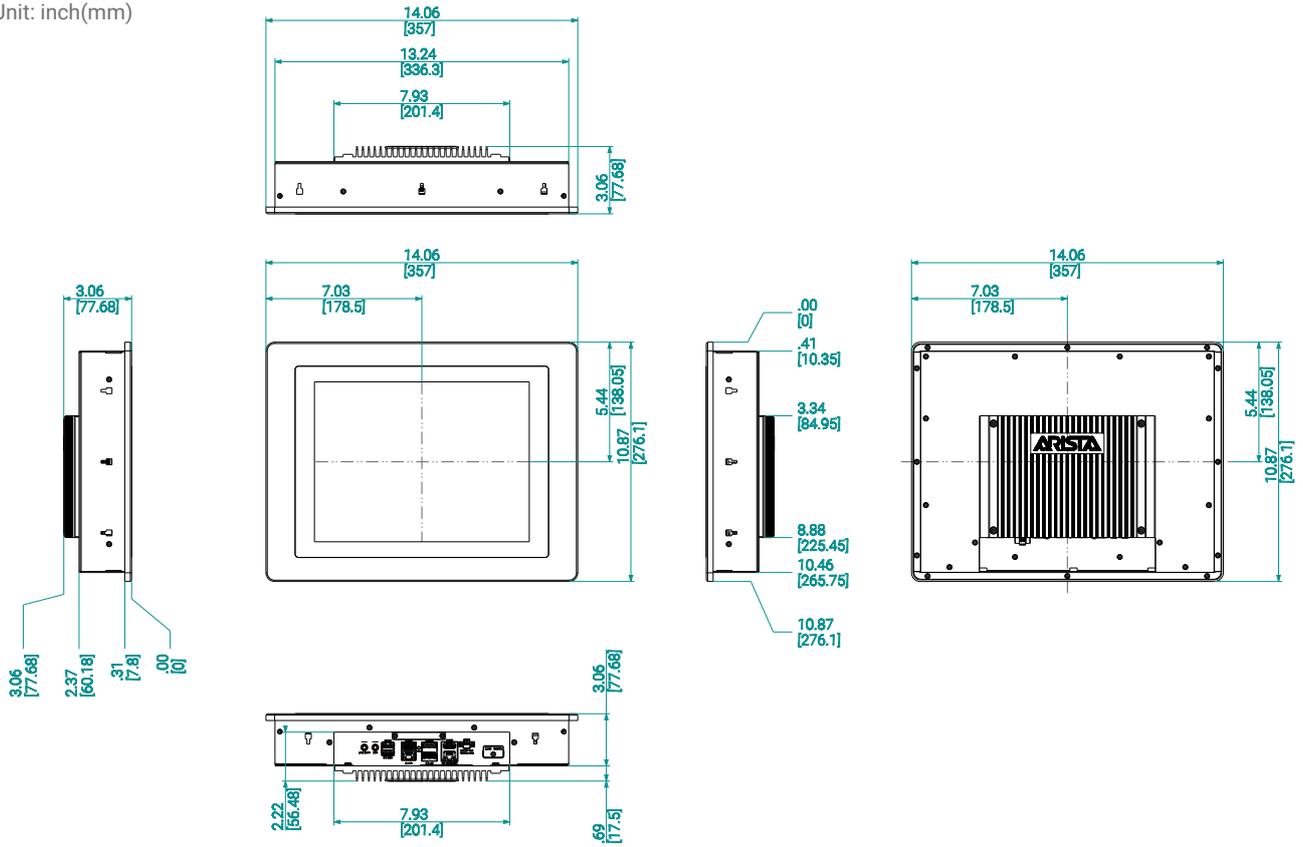
Please refer to ordering information for
the specific configurations for your applications.

Specifications

Model Name	ARP-3812AP K01
LCD Display	
Display Size (Diagonal)	12.1 inch
Resolution	800 x 600 / 1024 x 768
Backlight Lifetime	50,000 hours
Visual Characteristics	
Colors	262K
Aspect Ratio	4:3
Viewing Angle (V/H)	150° / 150°
Contrast Ratio	700 : 1
Brightness	500 nits (Typical)
Touchscreen	
Technology	Projected Capacitive
Interface	USB
Driver	Windows 10/11, ThinManager USB Touch Module
Front Bezel	
NEMA 4	Black Powder Coated Aluminum
NEMA 4x	316L Stainless Steel (Optional)
System	
CPU	N100 / N200 / X7425E / i3-N305
Chipset	Alder Lake
Memory	Up to 16GB DDR4 SO-DIMM
Video Controller	Intel® UHD Graphics
External Video Output	DP, HDMI
Storage Option	2.5" SSD, NVMe SSD (M.2 2280)
CFast Card	Optional
Keyboard / Mouse	USB
Audio	Line Out, Mic In
Watchdog Timer	Yes
Remote Boot	ThinManager Option
Expansion Slot	M.2 1630
I/O Communication	
USB Port	3 x USB 3.2, 1 x USB 2.0
Serial Port	N/A
IEEE 1394	N/A
LAN	1 x 2.5GB, 1 x Gigabit
Parallel	N/A
GPIO	N/A
Smart Battery	
External Smart Battery	N/A
OS Support	
OS Support	Windows 10/11, Ubuntu, ThinManager
Power/Thermal Specs	
Power Requirement (Max)	DC 24V@1.7A / 802.3bt PoE
Power Consumption (Max)	40W
Recommended Power Supply	60W
Heat Dissipation	136 BTU/hr
Physical Information	
Mounting	Panel mount
Net Weight	12 Lbs / 5.44 Kg
Dimension (W x H x D)	14.06 x 10.87 x 3.06 inch 357 x 276.1 x 77.68 mm
Recommended Cutout Dimension (WxH)	13.44 x 10.25 inch / 341.4 x 260.4 mm
Environmental	
Operating Temperature	0~50°C (32~122°F)
Storage Temperature	-20~60°C (-4~140°F)
Relative Humidity	0~95%
Compliance	
IP/NEMA Rating	Bezel meets NEMA 4/4X requirement
Certification	--

Dimension Drawing

ARP-3812AP-K01
 Size Unit: inch(mm)



Ordering Information

ThinManager Ready / Powered By PoE

Item	ARP-3812AP-K01-A02	ARP-3812AP-K01-A06
LCD Display	12.1" LCD / 800 x 600	12.1" LCD / 800 x 600
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	N100 / N200 / X7425E	N100 / N200 / X7425E
Memory	4GB DDR4	4GB DDR4
Storage	N/A	N/A
Remote Boot	ThinManager Ready	ThinManager Ready
Power Supply	Powered by 802.3bt PoE	Powered by 802.3bt PoE

Item	ARP-3812AP-K01-A01-A02	ARP-3812AP-K01-A01-A06
LCD Display	12.1" LCD / 1024 x 768	12.1" LCD / 1024 x 768
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	N100 / N200 / X7425E	N100 / N200 / X7425E
Memory	4GB DDR4	4GB DDR4
Storage	N/A	N/A
Remote Boot	ThinManager Ready	ThinManager Ready
Power Supply	Powered by 802.3bt PoE	Powered by 802.3bt PoE

ThinManager Ready / Powered By 24V DC

Item	ARP-3812AP-K01-003	ARP-3812AP-K01-007
LCD Display	12.1" LCD / 800 x 600	12.1" LCD / 800 x 600
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	N100 / N200 / X7425E	N100 / N200 / X7425E
Memory	4GB DDR4	4GB DDR4
Storage	N/A	N/A
Remote Boot	ThinManager Ready	ThinManager Ready
Power Supply	DC24V via DIN Rail Power Supply	DC24V via DIN Rail Power Supply

Item	ARP-3812AP-K01-A01-003	ARP-3812AP-K01-A01-007
LCD Display	12.1" LCD / 1024 x 768	12.1" LCD / 1024 x 768
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	N100 / N200 / X7425E	N100 / N200 / X7425E
Memory	4GB DDR4	4GB DDR4
Storage	N/A	N/A
Remote Boot	ThinManager Ready	ThinManager Ready
Power Supply	DC24V via DIN Rail Power Supply	DC24V via DIN Rail Power Supply

Ordering Information

Windows OS / Powered By PoE

Item	ARP-3812AP-K01-A30-300	ARP-3812AP-K01-A34-300
LCD Display	12.1" LCD / 800 x 600	12.1" LCD / 800 x 600
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	i3-N305	i3-N305
Memory	16GB DDR4	16GB DDR4
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	Powered by 802.3bt PoE	Powered by 802.3bt PoE

Item	ARP-3812AP-K01-A01-A30-300	ARP-3812AP-K01-A01-A34-300
LCD Display	12.1" LCD / 1024 x 768	12.1" LCD / 1024 x 768
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	i3-N305	i3-N305
Memory	16GB DDR4	16GB DDR4
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	Powered by 802.3bt PoE	Powered by 802.3bt PoE

Windows OS / Powered By 24V DC

Item	ARP-3812AP-K01-031-300	ARP-3812AP-K01-035-300
LCD Display	12.1" LCD / 800 x 600	12.1" LCD / 800 x 600
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	i3-N305	i3-N305
Memory	16GB DDR4	16GB DDR4
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	DC24V via DIN Rail Power Supply	DC24V via DIN Rail Power Supply

Item	ARP-3812AP-K01-A01-031-300	ARP-3812AP-K01-A01-035-300
LCD Display	12.1" LCD / 1024 x 768	12.1" LCD / 1024 x 768
Touch Screen	Projected Capacitive	Projected Capacitive
Bezel	Black Powder Coated Aluminum	316L Stainless Steel
CPU	i3-N305	i3-N305
Memory	16GB DDR4	16GB DDR4
Storage	2.5" SATA SSD	2.5" SATA SSD
Remote Boot	N/A	N/A
Power Supply	DC24V via DIN Rail Power Supply	DC24V via DIN Rail Power Supply

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.