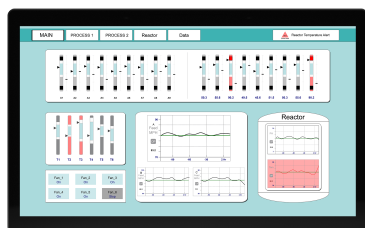




ARP-3824BP

VESA Mount Panel PC with 24-inch PCAP Touch Screen

Features



[E01 version]

- 24" LCD, 1920 x 1080 Resolution
- Projected Capacitive Touch Screen
- Black Color Enclosure
- Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU
- Up to 8GB DDR3
- Optional 2.5" SSD
- Dual Gigabit Ethernet
- 2 x RS-232/422/485 BIOS Selectable
- 1 x USB 3.0, 3 x USB 2.0 ports

[K01 version]

- 24" LCD, 1920 x 1080 Resolution
- Projected Capacitive Touch Screen
- Black Color Enclosure
- Intel N200 / i3-N305 CPU
- Up to 16GB DDR4
- 1 x 2.5G, 1 x 1G Ethernet
- 3 x USB 3.2, 1 x USB 2.0 ports
- Powered By DC 24V Input
- Optional M.2 NVMe SSD
- Optional ThinManager Ready
- Optional Powered By 802.3bt PoE

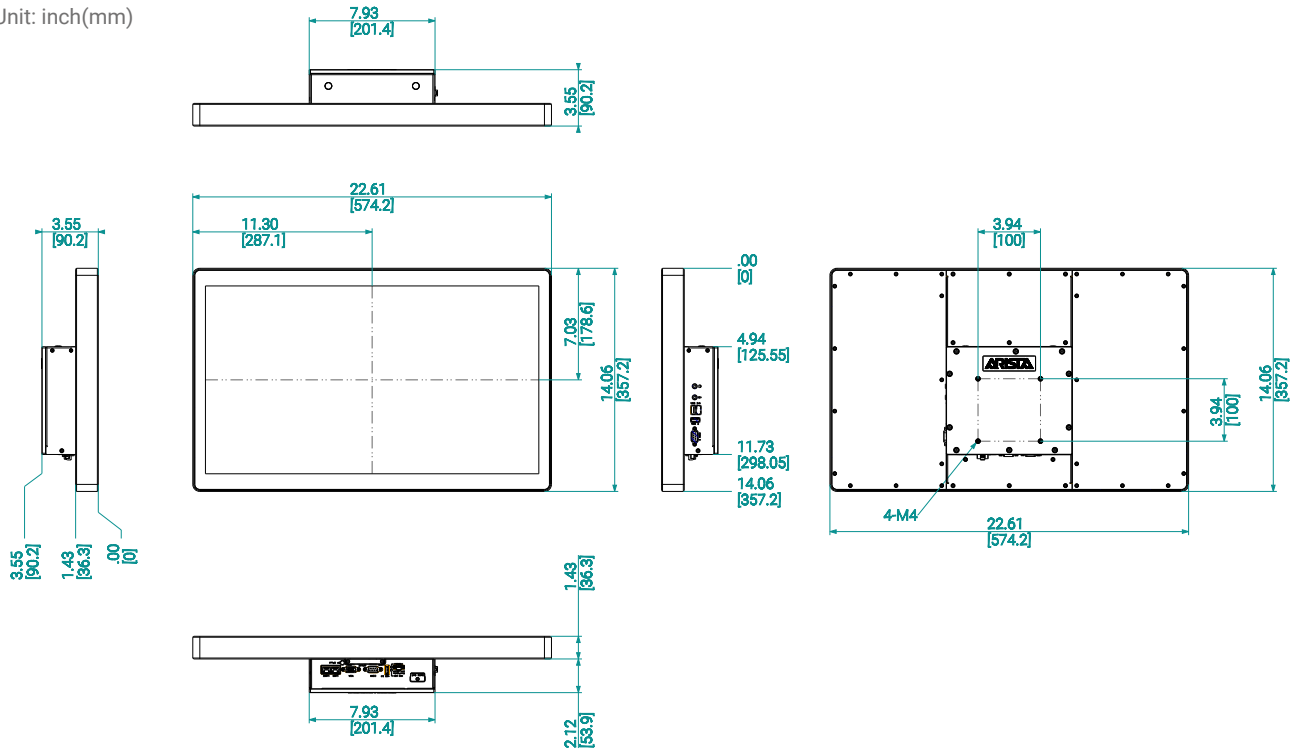
Specifications

Model Name	ARP-3824BP	
	E01	K01
LCD Display		
Display Size	24 inch	24 inch
Max Resolution	1920 x 1080	1920 x 1080
Backlight Lifetime	50,000 hours	50,000 hours
Visual Characteristics		
Colors	16.7 million	16.7 million
Aspect Ratio	16:9	16:9
Viewing Angle (V/H)	178° / 178°	178° / 178°
Contrast Ratio	1000 : 1	1000 : 1
Brightness	250 nits	250 nits (Typical)
Touchscreen		
Technology	Projected Capacitive	Projected Capacitive
Interface	USB	USB
Driver	Windows 7, Windows 10	Windows 10, 11
Enclosure		
Color	Black	Black
Protection	Meets IP50	Meets IP50
System		
CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU	Intel N200 / i3-N305
Chipset	Bay Trail	Alder Lake
Memory	Up to 8GB DDR3 SO-DIMM	Up to 16GB DDR4 SO-DIMM
Video Controller	Intel Gen7 Intel Graphics DX 11, OGL3.2	Intel UHD Graphics 24EUs
External Video Output	VGA, HDMI	DP, HDMI
Storage Option	2.5" SSD	NVMe SSD (M.2 2280)
CFast	Optional	Optional
Keyboard / Mouse	USB	USB
Audio	Line Out, Mic In	Line Out, Mic In
Watchdog Timer	Programmable 1 - 255 sec	Yes
Remote Boot	ThinManager Ready, PXE	ThinManager Ready, PXE
Expansion Slot	N/A	M.2 1630
I/O Communication		
USB Port	1 x USB 3.0, 3 x USB 2.0	3 x USB 3.2, 1 x USB 2.0
Serial Port	2 x RS-232/422/485 BIOS Selectable	N/A
IEEE 1394	N/A	N/A
LAN	2 x Gigabit	1 x 2.5GB, 1 x Gigabit (PoE)
Parallel	N/A	N/A
GPIO	N/A	N/A
Smart Battery		
External Smart Battery	N/A	N/A
OS Support		
OS Support	Windows 7 & Windows 10	Windows 10, 11
Power/Thermal Specs		
Power Requirement (Max)	24VDC / 2.5A	DC 24V@2.8A / 802.3bt PoE
Power Consumption (Max)	60W	68W
Recommended Power Supply	85W	100W
Heat Dissipation	203 BTU/hr	232 BTU/hr
Physical Information		
Mounting	VESA mount	VESA mount
Net Weight		
Dimension (W x H x D)	22.61 x 14.06 x 3.55 inch 574.2 x 357.2 x 90.2 mm	22.61 x 14.06 x 3.55 inch 574.2 x 357.2 x 90.2 mm
Environmental		
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%
Compliance		
IP/NEMA Rating	Meets IP50	Meets IP50
Certification	N/A	N/A

Dimension Drawing

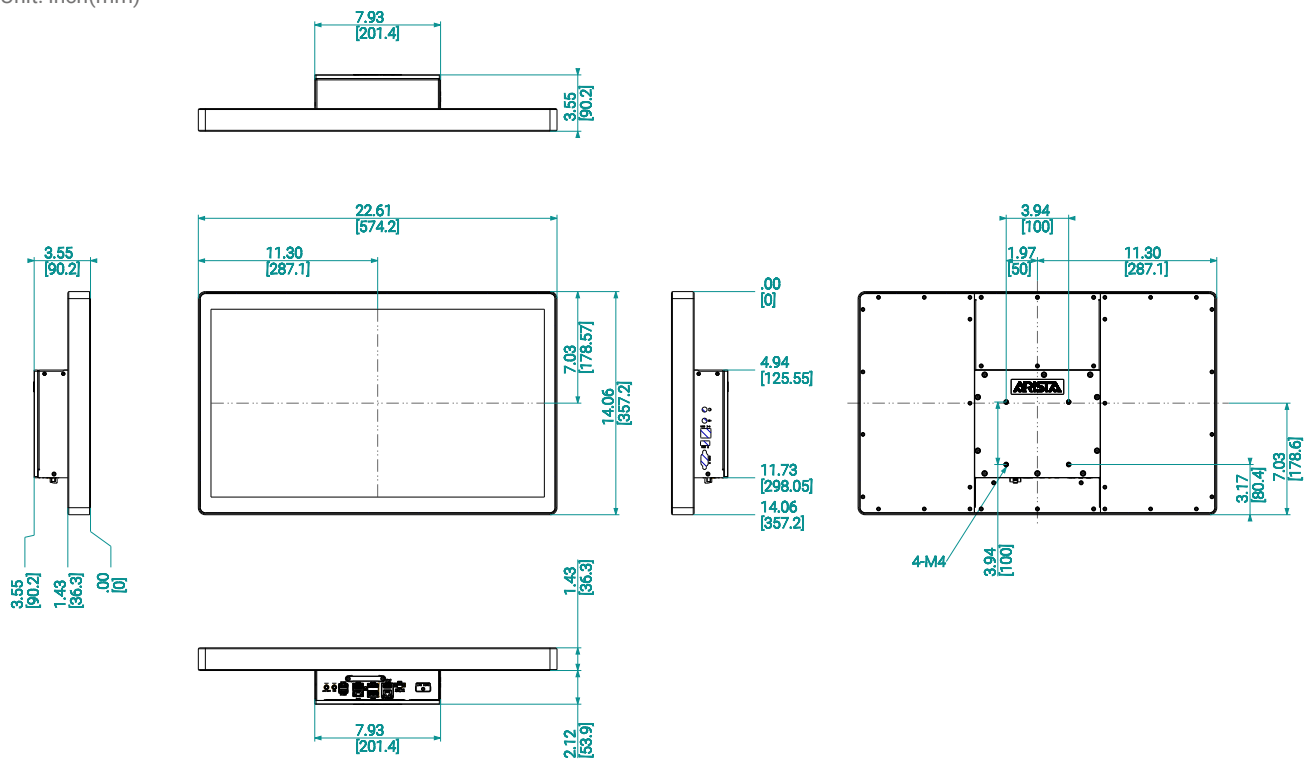
ARP-3824BP-E01

Size Unit: inch(mm)



ARP-3824BP-K01

Size Unit: inch(mm)



Ordering Information

Item	ARP-3824BP-E01-003	ARP-3824BP-E01-031
LCD Display	24" LCD / 1920 x 1080	24" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Enclosure	Black Color	Black Color
CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU	Intel Celeron J1900 @ 1.99GHz / Atom E3845 @ 1.91GHz CPU
Memory	4GB DDR3	8GB DDR3
Storage	N/A	2.5" SATA SSD
Remote Boot	ThinManager Ready	N/A
Power Supply	24VDC Input, 110/220VAC Power Adaptor Included	24VDC Input, 110/220VAC Power Adaptor Included

Item	ARP-3824BP-K01-003-001	ARP-3824BP-K01-A02
LCD Display	24" LCD / 1920 x 1080	24" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Enclosure	Black	Black
CPU	N200	N200
Memory	4GB DDR4	4GB DDR4
Storage	N/A	N/A
Remote Boot	WIFI Boot ThinManager Ready	ThinManager Ready
Power Supply	60W Power Adaptor	Powered By 802.3 PoE

Item	ARP-3824BP-K01-031-300	ARP-3824BP-K01-A30-300
LCD Display	24" LCD / 1920 x 1080	24" LCD / 1920 x 1080
Touch Screen	Projected Capacitive	Projected Capacitive
Enclosure	Black	Black
CPU	i3-N305	i3-N305
Memory	16GB DDR4	16GB DDR4
Storage	NVMe SSD (M.2 2280)	NVMe SSD (M.2 2280)
Remote Boot	N/A	N/A
Power Supply	60W Power Adaptor	Powered By 802.3 PoE