

# APC-2340

23.8" 12th Gen Intel® Core™ Processor i5/i3 Expandable  
Ultra light Multi-Touch Fanless Panel PC



## Features

- Sleek light weight design
- 23.8" Full HD PCAP touch Panel PC
- Intel® 12th Gen Alder Lake-P Core™ i5/i3 Processor
- 2 LAN, 4 USB 3.0, 2 DP++
- 1 x M.2 Key B for 4G/5G, 1 x M.2 Key E for WIFI, 1 x M.2 Key M for storage
- Optional Camera, NFC, WiFi
- CE/ FCC/ VCCI/ UKCA



+12V ~ +24V



PCAP multi-touch



Fanless



0°C ~ 40°C



Front IP65

## Specifications

### System Information

Processor	12th Generation Alder Lake Intel® Core™ i3-1215U Processor (10M Cache, up to 4.40 GHz, with IPU) 12th Generation Alder Lake Intel® Core™ i5-1235U Processor (12M Cache, up to 4.40 GHz, with IPU)
System Memory	2 x 262-pin DDR5 4800 MHz SO-DIMM Supports Up to 64GB (Non ECC Only)
I/O Chipset	EC iTE IT5782VG
Watchdog Timer	H/W reset, 1sec. ~ 65535sec. and 1sec./step
H/W Status Monitor	CPU Temperature Monitoring Voltage Monitoring CPU Fan Speed Control
TPM	2.0
SBC	EMX-ADLP-B1 A1 i3-1215U EMX-ADLP-B1 A1 i5-1235U

### Expansion

Expansion	1 x M.2 Key B 3042/3052 for 4G/5G 1 x M.2 Key E 2230 support WiFi module 802.11abgn+acR2+axR2 Wi-Fi 6E BT5.2
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### Storage

Solid State Drive	2.5" SATA3 SSD
Other Storage Device	1 x M.2 Key M 2280 (PCI-e x4) slot for storage

### Audio

Audio Codec	RealTek ALC888S-VD2-G
Speaker Output	2 x 2W

### Power Requirement

DC Input	+12V ~ +24V
DC Input Connector	Lockable PWR DIN Plug
Power Mode	ATX / AT

### Software Support

OS	Win11 / Linux
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### Certification

Certification Information CE/ FCC class B/VCCI/UKCA

### Panel

LCD Size	23.8"
Display Type	Full HD
Resolution	1920 x 1080
Pixel Pitch	274.5mm x 274.5mm
Luminance	250 cd/m <sup>2</sup>
Contrast Ratio	3000
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	16ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Controller	EETI EXC81H5680

### External I/O

USB Port	2 x USB 3.2 Gen2 (USB1) 2 x USB 3.0 Gen2 (USB2)
LAN Port	1 x Intel® I219LM Gigabit Ethernet PHY 1 x Intel® I226LM Gigabit Ethernet
Wireless LAN Antenna	2 x PCB Antenna
Display Port	2 x DP++

### Data Communication

WLAN	Optional Wi-Fi + Bluetooth 5.0 USB Module, Intel Wi-Fi 6E AX210
Bluetooth	Optional Wi-Fi + Bluetooth 5.0 USB Module, Intel Wi-Fi 6E AX210

### Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-10°C ~ 60°C (14°F ~ 140°F)
Operating Humidity	40°C @ 95% Relative Humidity, Non-condensing
Dimension (W x L x H)	592 x 382 x 49.5mm
Weight	6.2 kg
Vibration Test	1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 30min/axis
Shock Test	10Grms, IEC 60068-2-27, half sine, 11ms
IP Rating	Front IP65
Mounting Kit	VESA 75 x 75, 100 x 100
Construction - Front	Plastic - black
Construction - Rear	Plastic - black

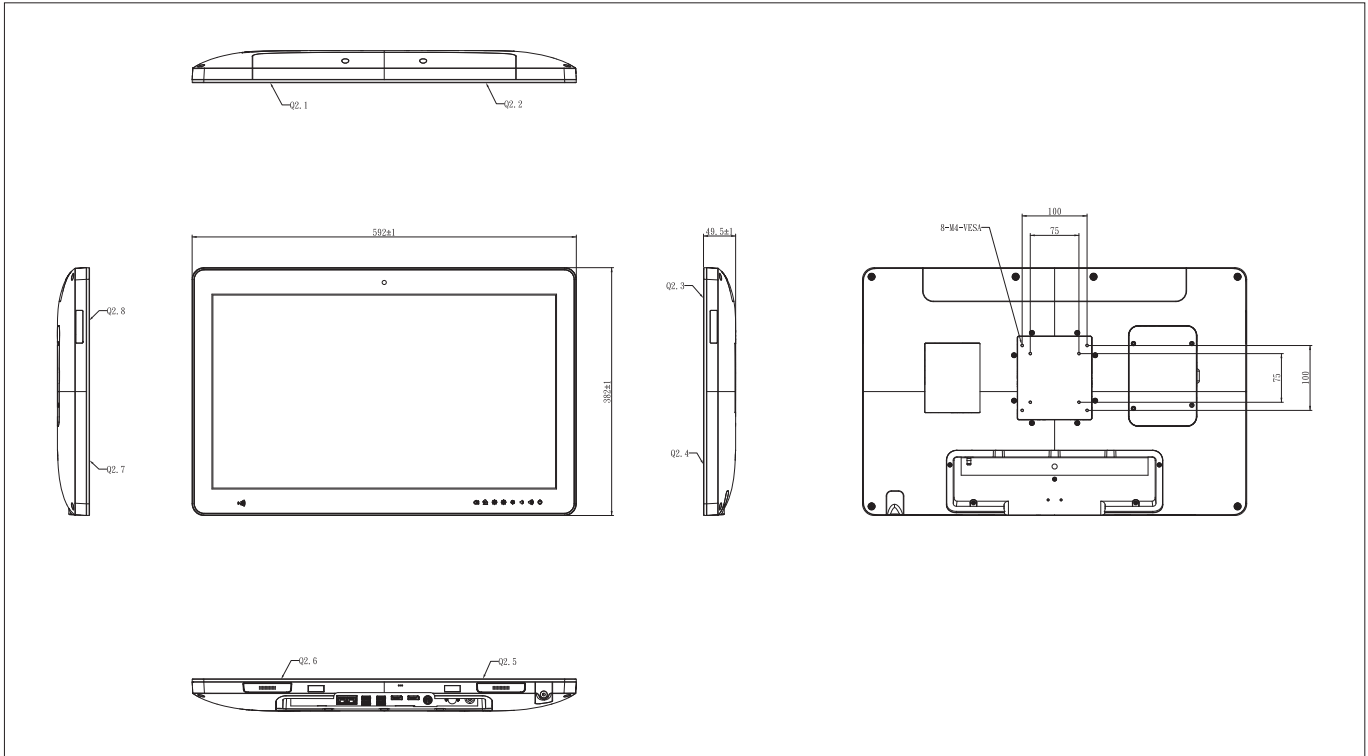
### Component

Adapter	AC/DC adapter 24V/3.75A PWR DIN Plug
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## Mechanical Drawing



## Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Resolution	Luminance	COM	USB	LAN	Power Input	Working Temp.	OS Support
APC-2340-121-A1R	PCAP	i3-1215U	8GB	N/A	1920 x 1080	250	0	4	2	+12V ~ +24V	0°C ~ 40°C	Win11 / Linux
APC-2340-123-A1R	PCAP	i5-1235U	8GB	N/A	1920 x 1080	250	0	4	2	+12V ~ +24V	0°C ~ 40°C	Win11 / Linux

## Packing List

Item	Quantity
APC-2340 Panel PC	1
Power Adapter	1

## Optional Items

Item	P/N
EU Power Cord	E170203183DR
US Power Cord	E1702031835R
JP Power Cord	E17120318001R
UK Power Cord	E170P060370R

## I/O Overview

