

HID-2340

23.8" Medical Panel PC as Imaging Capture Terminal,
with IET Expansion



Features

- Capture card integration options for medical imaging capturing & processing
- Isolated USB/COM/LAN expansion via IET module for strict clinical requirement
- HDMI/Audio/USB2.0/Mini PCIe/COM expansion via IET module to enhance versatile connectivity
- Intel® 13th Gen Core™ i7/i5 Processor supported
- Rich USB ports for flexible peripheral device connection, USB type C & 3 x USB 3.2 Gen 2 incl.
- COM port reserved for reliable connection to medical device
- CE/FCC/Medical UL certified



High Performance



IET Expansion



Medical Grade & Infection Control



Reliable COM Port Connection



User Friendly Design

Specifications

System Information

Processor	Socket Raptor Lake-PS Intel® Core™ Processor Intel® Core™ i5-120UL Intel® Core™ i7-160UL
System Memory	One 262-pin DDR5 4800MHz SO-DIMM socket, supports up to 32GB max (min 8GB)
I/O Chipset	IT5782VG
TPM	Onboard NuvoTon NPCT754AADYX support TPM 2.0 (optional)

Expansion

Expansion	1x M.2 Key B 3042/3052/2280 1x M.2 Key E for WIFI 1x IET expansion
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Storage

Solid State Drive	1x 2.5" SATAIII SSD
M.2	1x M.2 Key M storage

Display

LCD Size	23.8"
Display Type	Full HD
Resolution	1920x1080
Contrast Ratio	3000:1
Luminance	250cd/m2
Pixel Pitch	274.5x274.5
Viewing Angle	89 (U), 89 (D), 89 (L), 89 (R)
Response Time	16 ms
Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	85%
Touch Controller	USB touch (EETI H8851A)

I/O Ports

USB Port	1x USB 2.0 3x USB 3.2 Gen 2 1x USB type C (Output: USB 3.1, display, 5V/3A 15W)
LAN Port	2x RJ-45
COM Port	1x RS-232/422/485

Audio

Audio Codec	RealtekALC888S
Speaker Output	2x 2W

Ethernet

LAN Chipset	1x Intel® I225LM 1x Intel® I226LM
Ethernet Interface	10/100/1000/2500 Base-Tx GbE compatible

Wireless Communication

Bluetooth	Optional BT5.2 module
WLAN	Optional 802.11abgn+acR2+axR2 Wi-Fi 6E module

Data Collection

NFC	Built-in NFC module
Camera	Built-in 5.0MAF camera

Power Requirement

Power Mode	AT/ATX (ATX is default setting)
DC Input	+24V (+12V ~ +24V DC in support)
DC Input Connector	Lockable DC Jack
Adapter	Medical grade Input: 100~240Vac/50~60Hz; Output: 120W 24V/5A adapter

Software Support

OS	Win10/Win11/Linux
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Certification

Certification Information	CE : IEC/EN60602-1 (Safety), IEC/EN60601-1-2 (EMC) FCC : Part 15 class B UL60601-1
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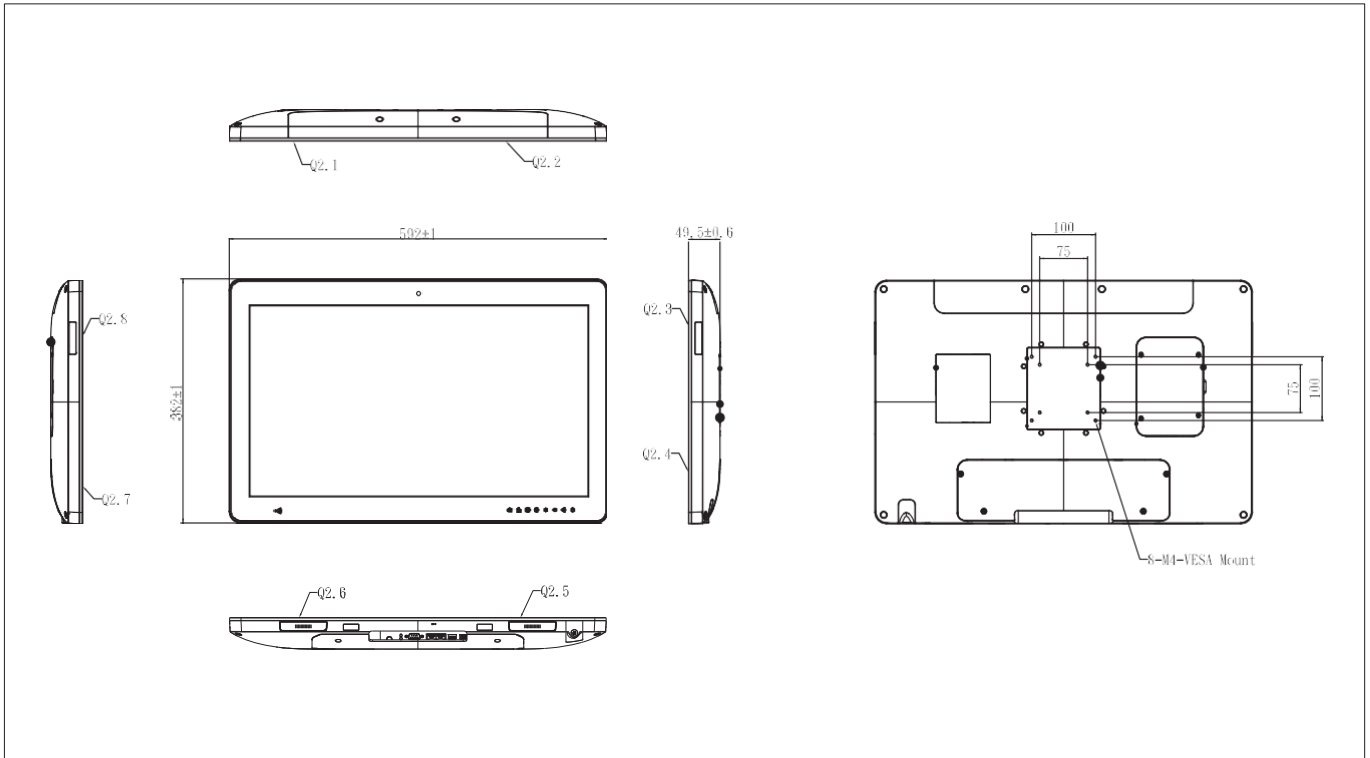
Mechanical & Environmental

Dimension (W x L x H)	592 x 382 x 49.5 mm
Weight	6 kg
Construction - Front	White plastic
Construction - Rear	White plastic
Finishing	Anti-microbial
Mounting	VESA 75 x 75/ 100 x 100 mm
Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Operating Humidity	0% ~ 90% relative humidity, non-condensing
Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
System Fan	Fanless
Vibration Test	With SSD/mSATA : 1.5Grms, IEC 60068-2-64, random, 5 ~ 500Hz, 30min/axis
Shock Test	With CF/SSD : 10Grms, IEC 60068-2-27, half sine, 11ms
IP Rating	Front: IP65

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Mechanical Drawing



Ordering Information

P/N	Touch Type	Processor	Memory	Storage	Panel Size	Resolution	Brightness	I/O Ports (COM/USB/LAN)	Display Output	Power Input	Working Temp.
HID-2340-120-B3R	PCAP	i5-120UL	8GB	N/A	23.8"	1920x1080	250cd/m ²	1 COM/ 4 USB/ 2 LAN	USB TypeC	+24V	0°C ~40°C (32°F ~104°F)
HID-2340-160-B3R	PCAP	i7-160UL	8GB	N/A	23.8"	1920x1080	250cd/m ²	1 COM/ 4 USB/ 2 LAN	USB TypeC	+24V	0°C ~40°C (32°F ~104°F)

Packing List

Item	Quantity
HID-2340 Medical Panel PC	1
120W Medical Power Adapter	1

Optional Items

Items	P/N
Barcode Scanner Kit for HID Series	RCC-HID-BCSCAN-01R
WiFi/BT Module Kit for HID-2340	E971XHI2340003R
DIP HID-2132 DB-A A1 Isolation Board with LAN/COM/USB	E9697H10201R-A
DIP HID-2340 DB-B A1 HDMI/ 2 x Audio/ 2 x USB 2.0/ Mini PCIe/COM	E9697H30002R-B-98
Yuan SC400N1 M.2 2280 Capture Card AIO	ACC-M2-80-CAP-01R
Yuan SC400N2 M.2 2280 Capture Card SDI	ACC-M2-80-CAP-02R
HID White Stand VESA 100 x 100/ 75 x 75	ACC-ARM-D55R
EU Power Cord	E1702031000R
US Power Cord	E1702031833R
JP Power Cord	E170203183CR
UK Power Cord	E170P060380R
AU Power Cord	E1702031831R
CN Power Cord	E170P060391R

I/O Overview

