

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

### Expansion

|           |                                                                          |
|-----------|--------------------------------------------------------------------------|
| Expansion | 1x M.2 Key B 3042/3052/2280<br>1x M.2 Key E for WIFI<br>1x IET expansion |
|-----------|--------------------------------------------------------------------------|

### 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               | 1920 x 1080                                       |
| Contrast Ratio           | 3000:1                                            |
| Luminance                | 250 cd/m <sup>2</sup>                             |
| Pixel Pitch              | 274.5 x 274.5                                     |
| 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<br>3x USB 3.2 Gen 2<br>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    | Realtek ALC888S |
| Speaker Output | 2x 2W           |

### Ethernet

|                    |                                         |
|--------------------|-----------------------------------------|
| LAN Chipset        | 1x Intel® I225LM<br>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 5.0 MAF camera |

### Power Requirement

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

### Software Support

|    |                    |
|----|--------------------|
| OS | Win10/Win11/ Linux |
|----|--------------------|

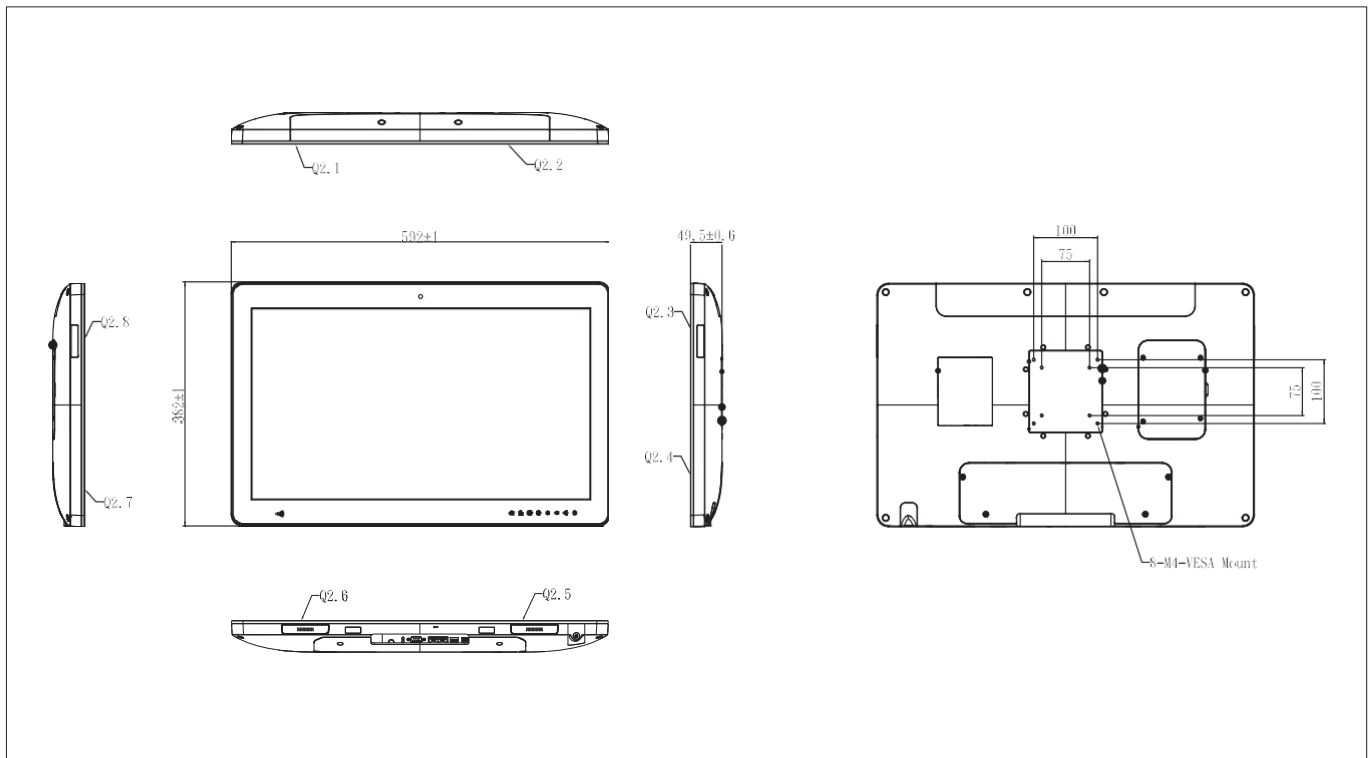
### Certification

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Certification Information | CE : IEC/EN60601-1-2<br>FCC : Part 15 class B<br>UL60601-1 |
|---------------------------|------------------------------------------------------------|

### 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,<br>5 ~500Hz, 30min/axis |
| Shock Test            | With CF/SSD : 10Grms, IEC 60068-2-27, half sine, 11ms                     |
| IP Rating             | Front: IP65                                                               |

## 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 <sup>2</sup> | 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 <sup>2</sup> | 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

