HID-1540

15.6" Alder Lake Medical Panel PC

Product Features

- Sleek light weight design
- Socketed Intel® 12th Gen Alder Lake-PS Core™ i7/i5/i3 Processor
- 1 x M.2 Key B 3042/3052/2280, 1 x M.2 Key E for WIFI, 1 x M.2 Key M for storage
- Optional Webcam/ WIFI/ NFC

- 15.6" Full HD PCAP touch
- 1 COM, 2 LAN, 1 USB 2.0, 3 USB 3.0, 1 USB Type C
- Programmable LED light bar on both sides
- CE/FCC/Medical UL

Specification

System Information	
Processor	12th Generation Intel® Core™ i7/i5/i3 Processor
Platform Controller Hub	Integrated in Processor (SOC)
System Memory	1 x 262-pin DDR5 4800MHz SO-DIMM socket, supports up to 32GB Max (Min 8GB)
I/O Chipset	IT5782VG
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
H/W Status Monitor	CPU temperature monitoring voltage monitoring
SBC	HID-2340 mother board
TPM	Onboard NuvoTon NPCT754AADYX support TPM 2.0

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

Storage	
Storage	1 x M.2 Key M storage (optional)

Audio

Audio Interface	Audio combo jack
Audio Codec	Realtek ALC888S
Speaker Output	2 x 5W

Ethernet

LAN Chipset	1 x Intel® I225LM 1 x Intel® I226LM
Ethernet Interface	10/100/1000/2500 Base-Tx GbE compatible
LAN Port	2 x RJ-45

Power Requirement

Adapter	Medical grade Input: 100-240V~, 2.0-1.0A, 50-60Hz Output: 19V 4.73A 90W
Power Mode	AT/ATX (ATX is default setting)
DC Input Connector	Lockable DC Jack
DC Input	+12V~+24V

Software Support

OS	Win10 / Win11 / Linux

Certification

Certification Information	CE : IEC/EN60601-1-2 FCC : Part 15 Class B UL60601-1

External I/O

Wireless LAN	Optional 802.11abgn+acR2+axR2 Wi-Fi 6E BT5.2

Panel

LCD Size	15.6"
Display Type	Full HD
Resolution	1920 x 1080
Pixel pitch	0.17925 x 0.17925mm
Luminance	300 cd/m2
Contrast ratio	1000
Viewing angle	89(U), 89(D), 89(L), 89(R)
Response time	25 ms

Backlight	LED
Touch Type	Projective capacitive multi-touch up to 10 points
Touch Light Transmission	85%
Touch Controller	USB touch (EETI)

I/O

COM Port	1 x RS-232/422/485
USB Port	1 x USB 2.0 3 x USB 3.0 1 x USB Type C

Mechanical & Environmental

Operating Temp.	0°C ~ 40°C (32°F ~ 104°F)
Storage Temp.	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Weight	2.8 kg
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 Back IP54
VESA	75x75, 100x100
Dimension (W x L x H)	400 x 263 x 42.5mm
System Fan	Fanless
Construction - Front	White Plastic
Construction - Rear	White Plastic
Finishing	Anti-Microbial
Fanless	Yes
Color	White