



HID-2138

21.5" Tiger Lake Medical Panel PC

- > 21.5" FHD Display with PCAP Multi-Touch
- > Intel 11th gen Tiger Lake U Core Processor
- > Front Panel IP65
- > Fanless Design
- > Ultra-Slim Design
- > Optional NFC
- > Optional Webcam
- > Optional Handset

Spec

System Information	
Processor	11th Generation Intel® Core™ i7/i5/i3/Celeron Processor
Platform Controller Hub	integrated in Processor (SOC)
System Memory	Two 260-pin DDR4 3200 MHz SO-DIMM socket, supports up to 64GB Max
I/O Chipset	IT8528E
Watchdog Timer	H/W Reset, 1sec. – 65535sec./min.1sec. or 1min. step
H/W Status Monitor	CPU temperature monitoring System temperature monitoring VCORE voltage monitoring VIN voltage monitoring
TPM	Onboard NuvoTon NPCT754AABYX support TPM 2.0
SBC	HID-2138 Mother Board
Expansion	
Expansion	1 x Low Profile PCIE
Storage	
Storage	1 x M.2 Storage
Panel	
LCD Size	21.5"
Display Type	Full HD
Resolution	1920 x 1080
Pixel pitch	0.24795 (H) x 0.24795 (V)
Luminance	250 cd/m ²
Contrast ratio	1000
Viewing angle	89(U), 89(D), 89(L), 89(R)
Response time	22ms
Backlight	LED
Touch Type	Projective Capacitive
Touch Light Transmission	86%
Touch Controller	USB touch (EETI EXC3188)
I/O	
USB Port	2 x USB 2.0 2 x USB Type C
SATA	1 x SATA III
Audio	
Audio Codec	Realtek ALC888S
Speaker Output	2 x 2W
Certifications	
Certification Information	CE : IEC/EN60601-1-2 FCC : Part 15 Class B UL60601-1
Ethernet	
LAN Chipset	1 x Intel® I219LM Gigabit Ethernet PHY 2nd Intel® I225LM Gigabit Ethernet Controller
Ethernet Interface	10/100/1000/2500 Base-Tx GbE compatible
LAN Port	2 x RJ-45
Power Requirement	
DC Input Connector	Lockable DC Jack, +12V~+26V

www.avalue.com.tw



Power Mode	AT/ATX (ATX is default setting)
Adapter	Medical grade Input: 100~240 Vac/50~60Hz; Output: 90W Adapter (19V/4.74A Adapter)
Mechanical & Environmental	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage Temperature	-30°C ~ 70°C (-22°F ~ 158°F)
Operating Humidity	0% ~ 90% Relative Humidity, Non-condensing
Dimension (W x L x H)	539.6 x 342.6 x 45.2 mm
Weight	6.0 Kgs

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
System Fan	Fanless
Construction - Front	White Plastic
Construction - Rear	White Plastic
Finishing	Anti-Microbial
Fanless	Yes
Color	White
Software Support	
OS Information	Win10 64bit, Win11, Linux
Ordering Information	
Ordering Information	HID-2138-114-A1R HID 21.5/i5-1145G7E/8GRAM/NFC/2USB3/2USBTypeC/2LAN, Medical Adapter

www.avaline.com.tw