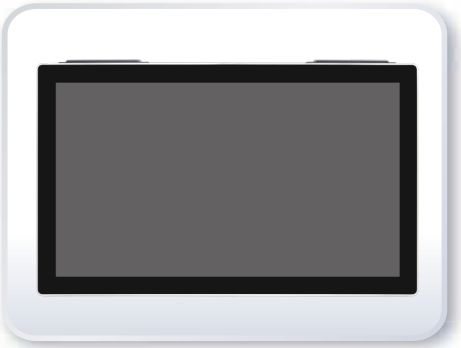
NuTAM-821CP(H)

21.5" FHD Intel Alder Lake-N Fanless IP66/IP69K Stainless Steel Panel PC





Features

- 21.5" Fanless Stainless Steel Panel PC
- Intel Alder Lake-N Processor
- True Flat Front Bezel Design and Grade 304 Stainless Steel Enclosure (Grade 316 for Option)
- Support Projective Capacitive Touch
- Touch on/off Button on the Side Edge for Hygienic Cleaning
- IP66/IP69K Rated with M12 Connectors
- DC 9~36V Wide Ranging Power Input
- Support Ergonomic Versatile Mounting: Yoke Mount / VESA Mount

Specifications

System	
CPU	Intel N97 Processor, Quad Core 2.0GHz, TDP is 12W Intel Atom x7425E, Quad Core 1.5GHz, TDP is 12W
System Chipset	SoC
BIOS	AMI UEFI
System Memory	1 x DDR5-4800MHz SO-DIMM, up to 32GB

I/O Port	
USB	1 x M12 8-pin for 2 x USB 2.0 with Waterproof cap and chain
Serial/Parallel	1 x M12 8-pin for COM, RS-232/422/485 (Default RS-232) with Waterproof cap and chain
LAN	1 x M12 8-pin for 2.5GbE LAN with Waterproof cap and chain
Others	1 x Touch on/off button at the side
Power Connector	1 x M12 3-pin for Power Input

Storage Space	
HDD/SSD	1 x M.2 2280 M-Key socket (SATA 3.0 and PCIe 3.0 x1), Default is SATA Type 1 x 2.5" SATA3 SSD as optional

Expansion	
Optional I/O Ports	2 x M12 Blank for Option (Select one from each type) : ·2 x USB 2.0 ·1 x USB 3.2 Gen1 ·1 x 2.5GbE LAN ·1 x COM Port ·1 x HDMI
Expansion slots	1 x M.2 2230 E-Key (USB 2.0, PCIe x1) for optional Wi-Fi/BT Module 1 x M.2 2242/3402/3052 B-Key (PCIe x1, USB 3.2 Gen1, USB 2.0) for optional LTE/5G Module

Others	
TPM	Onboard TPM2.0
Watchdog Timer	1~255 sec (system)
Wake on LAN	Support WOL

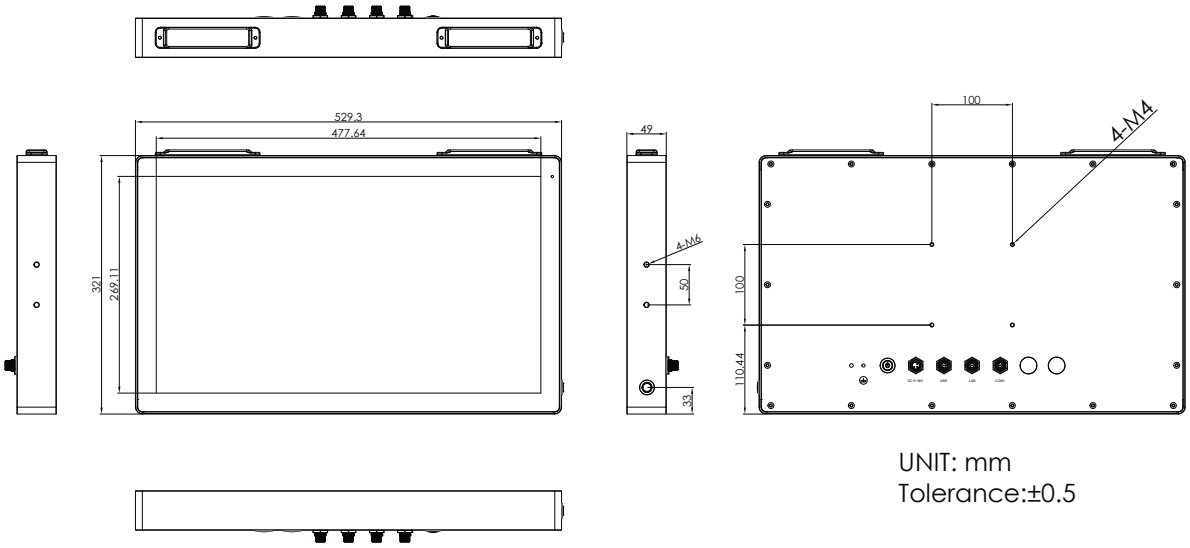
Display	Standard	High Brightness Optional
Display Type	21.5" TFT-LCD	21.5" TFT-LCD
Max. Resolution	1920 x 1080, FHD	1920 x 1080, FHD
Max. Color	16.7M	16.7M
Luminance (cd/m^2)	250	1000
View Angle	178(H) /178(V)	170(H) /170(V)
Contrast	1000:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs

Touch Screen	
Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	90%

All specifications and photos are subject to change without notice.

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Dimensions



UNIT: mm
Tolerance:±0.5

Power	
Power Input	DC 9~36V
Power Consumption	40.26W

Mechanical	
Construction	SUS304 Stainless Steel Chassis (default), SUS316 Stainless Steel Chassis (optional)
Mounting	VESA Mount 100 x 100, Yoke Mount for optional
IP Rating	Total IP66/IP69K
Dimensions(mm)	529.3 x 321 x 49 mm
Net Weight(kgs)	9.19 kg

Environmental	
Operating Temperature	0~50°C (ambient w/ air flow)
Storage Temperature	-10~60°C
Humidity	10 to 95% @ 40°C, non-condensing
Certification	CE/FCC Class A

Operating System Support
Windows 10 IoT Enterprise 2021 LTSC or later, Windows 11 (21H2) or later Linux 24.04 or later

Ordering Information	
NuTAM-821CP	21.5" FHD fanless IP66/IP69K stainless steel panel pc, Intel Alder Lake-N CPU, 1 x SO-DIMM DDR5 slot, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter
NuTAM-821CPH	21.5" FHD High Brightness fanless IP66/IP69K stainless steel panel pc, Intel Alder Lake-N CPU, 1 x SO-DIMM DDR5 slot, 128GB TLC SSD, projected capacitive touch, 9~36V DC power input with Adapter

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