

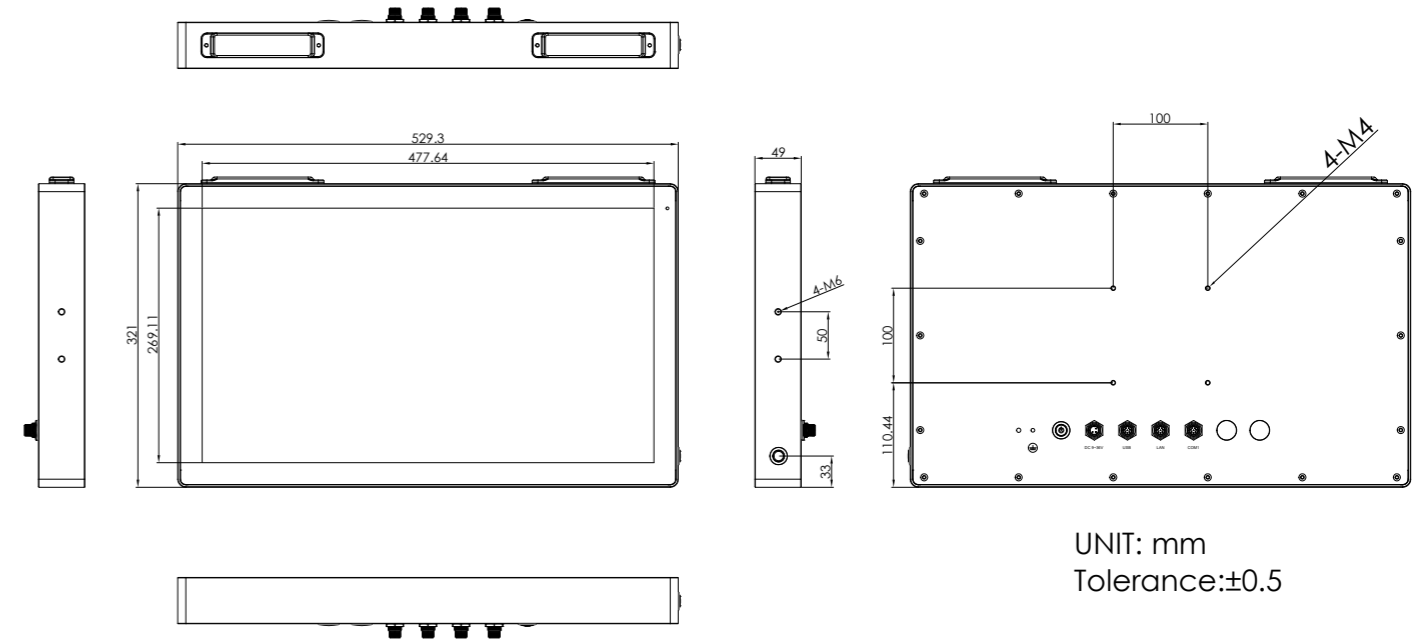
Features

- 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%	

Dimensions



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