# NuTAM-815CP(H)

## 15" XGA Intel Alder Lake-N Fanless IP66/IP69K Stainless Steel Panel PC





## Features

- 15" 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<br>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<br>1 x 2.5" SATA3 SSD as optional |

| Expansion | |
|---|---|
| Optional I/O Ports | 2 x M12 Blank for Option (Select one from each type) :<br>·2 x USB 2.0<br>·1 x USB 3.2 Gen1<br>·1 x 2.5GbE LAN<br>·1 x COM Port<br>·1 x HDMI |
| Expansion slots | 1 x M.2 2230 E-Key (USB 2.0, PCIe x1) for optional Wi-Fi/BT Module<br>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 | 15" TFT-LCD | 15" TFT-LCD |
| Max. Resolution | 1024 x 768 | 1024 x 768 |
| Max. Color | 16.2M | 16.7M |
| Luminance (cd/m$^2$) | 350 | 1000 |
| View Angle | 170(H) /170(V) | 178(H) /178(V) |
| Contrast | 800:1 | 800:1 |
| Backlight Lifetime | 30,000 hrs | 70,000 hrs |

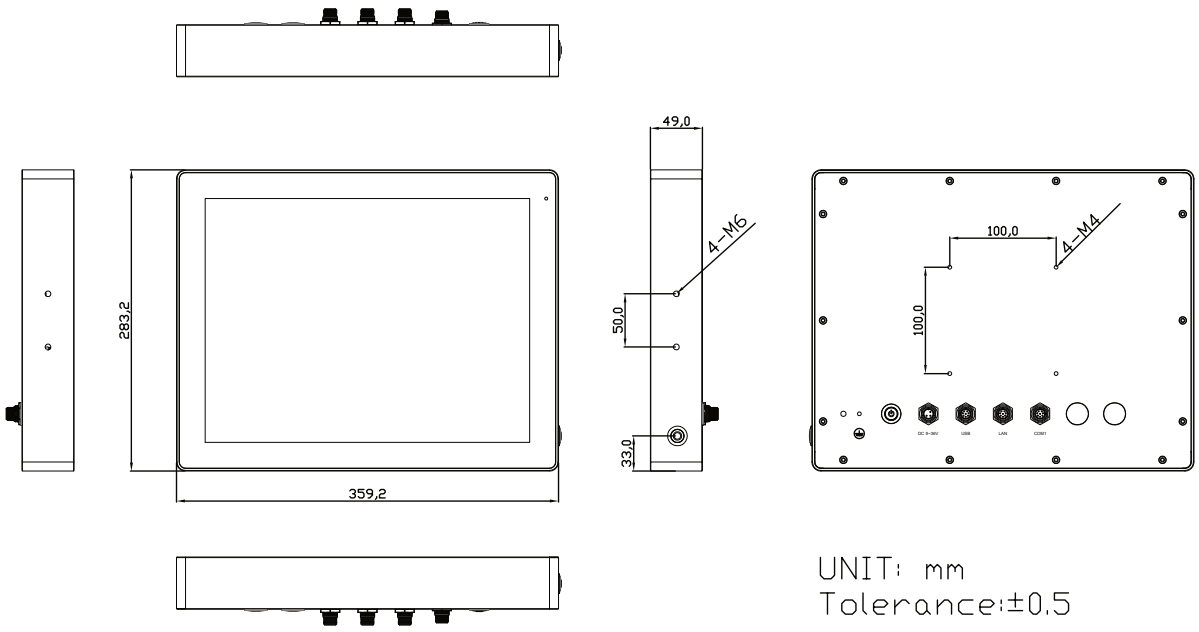
| Touch Screen | |
|---|---|
| Type | Projected Capacitive Touch |
| Interface | USB |
| Light Transmission(%) | 90% |



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 | 43.96W |

| 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) | 359.2 x 283.2 x 49 mm |
| Net Weight(kgs) | 6.15 kg |

| Environmental | |
|---|---|
| Operating Temperature | Standard: -20~60˚C (ambient w/ air flow and WT RAM/SSD)<br>High Brightness: 0~50˚C (ambient w/ air flow) |
| Storage Temperature | -30~70°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<br>Linux 24.04 or later |

| Ordering Information | |
|---|---|
| NuTAM-815CP | 15" XGA 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-815CPH | 15" XGA 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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