

Product Specification

| Model                    | NuTAM-815CP(H)                                                                                                                                              |         | NuTAM-821CP(H) |           | NuTAM-915EP(H)                                     |         | NuTAM-917EP(H) |         | NuTAM-921EP(H) |           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------|-----------|----------------------------------------------------|---------|----------------|---------|----------------|-----------|
| System                   |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| CPU                      | Intel N97 Processor, Quad Core 2.0GHz<br>Intel Atom x7425E, Quad Core 1.5GHz                                                                                |         |                |           | Intel Core Ultra 5 125U<br>Intel Core Ultra 7 155U |         |                |         |                |           |
| Memory                   | 1 x DDR5-4800MHz SO-DIMM, up to 16GB                                                                                                                        |         |                |           | 1 x DDR5-5600MHz SO-DIMM, up to 48GB               |         |                |         |                |           |
| External I/O             |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| 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                                                                                                  |         |                |           |                                                    |         |                |         |                |           |
| Option                   | 2 x M12 Blank for option (Select one from each type);<br>2 x USB 2.0, 1 x USB 3.2 Gen1, 1 x 2.5GbE LAN, 1 x COM, 1 x HDMI                                   |         |                |           |                                                    |         |                |         |                |           |
| Expansion                |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Expansion slot           | 1 x M.2 2230 E-Key (USB2.0, PCIe x1) for optional Wi-Fi/BT Module<br>1 x M.2 2242/3042/3052 B-Key (PCIe x1, USB3.2 Gen1, USB2.0) for optional LTE/5G Module |         |                |           |                                                    |         |                |         |                |           |
| 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                                                |         |                |           |                                                    |         |                |         |                |           |
| Display                  |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Display Type             | 15" TFT-LCD                                                                                                                                                 |         | 21.5" TFT-LCD  |           | 15" TFT-LCD                                        |         | 17" TFT-LCD    |         | 21.5" TFT-LCD  |           |
| Max. Resolution          | 1024 x 768                                                                                                                                                  |         | 1920 x 1080    |           | 1024 x 768                                         |         | 1280 x 1024    |         | 1920 x 1080    |           |
| Max. Color               | 16.2M                                                                                                                                                       | 16.7M   | 16.7M          | 16.7M     | 16.2M                                              | 16.7M   | 16.7M          | 16.7M   | 16.7M          | 16.7M     |
| Luminance (cd/m2)        | 350                                                                                                                                                         | 1000    | 250            | 1000      | 350                                                | 1000    | 350            | 1000    | 250            | 1000      |
| View Angle (H/V)         | 170/170                                                                                                                                                     | 178/178 | 178/178        | 178/178   | 170/170                                            | 178/178 | 170/160        | 160/140 | 178/178        | 170/170   |
| Contrast                 | 800 : 1                                                                                                                                                     | 800 : 1 | 1,000 : 1      | 1,000 : 1 | 800 : 1                                            | 800 : 1 | 1,000 : 1      | 800 : 1 | 1,000 : 1      | 1,000 : 1 |
| Backlight Lifetime (hrs) | 30,000                                                                                                                                                      | 70,000  | 50,000         | 50,000    | 30,000                                             | 70,000  | 30,000         | 50,000  | 50,000         | 50,000    |
| Touch Screen             |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Type                     | Projected Capacitive                                                                                                                                        |         |                |           |                                                    |         |                |         |                |           |
| Interface                | USB                                                                                                                                                         |         |                |           |                                                    |         |                |         |                |           |
| Light transmission       | >88±2%                                                                                                                                                      |         |                |           |                                                    |         |                |         |                |           |
| Power                    |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Power Input              | DC 9~36V                                                                                                                                                    |         |                |           |                                                    |         |                |         |                |           |
| Power Consumption        | TBD                                                                                                                                                         |         |                |           |                                                    |         |                |         |                |           |
| Mechanical               |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Construction             | SUS304 Stainless Steel Chassis (default), SUS316 Stainless Steel Chassis (optional)                                                                         |         |                |           |                                                    |         |                |         |                |           |
| Mounting                 | VESA Mount 100 x 100, Yoke Mount for optional                                                                                                               |         |                |           |                                                    |         |                |         |                |           |
| Ingress Protection       | Total IP66/IP69K                                                                                                                                            |         |                |           |                                                    |         |                |         |                |           |
| Dimensions (mm)          | 359 x 283 x 49                                                                                                                                              |         | 529 x 321 x 49 |           | 359 x 283 x 49                                     |         | 396 x 326 x 49 |         | 529 x 321 x 49 |           |
| Net Weight (kg)          | TBD                                                                                                                                                         |         |                |           |                                                    |         |                |         |                |           |
| Environmental            |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Operating Temperature    | -20~60°C                                                                                                                                                    |         | 0~50°C         |           | -20~60°C                                           |         | -20~60°C       |         | 0~50°C         |           |
| Storage Temperature      | -30~70°C                                                                                                                                                    |         | -10~60°C       |           | -30~70°C                                           |         | -30~70°C       |         | -10~60°C       |           |
| Humidity                 | 10 to 95% @ 40°C, non- condensing                                                                                                                           |         |                |           |                                                    |         |                |         |                |           |
| Other                    |                                                                                                                                                             |         |                |           |                                                    |         |                |         |                |           |
| Certificate              | CE/FCC Class A                                                                                                                                              |         |                |           |                                                    |         |                |         |                |           |
| Operating System         | Windows 10 IoT Enterprise 2021 LTSC or later, Windows 11 (21H2) or later, Linux 22.04 or later                                                              |         |                |           |                                                    |         |                |         |                |           |

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Intel Core Ultra/N97 Platform

NuTAM Series

Comprehensively Hygienic Design  
IP66/IP69K Waterproof Stainless Steel Panel PC

# NuTAM Series

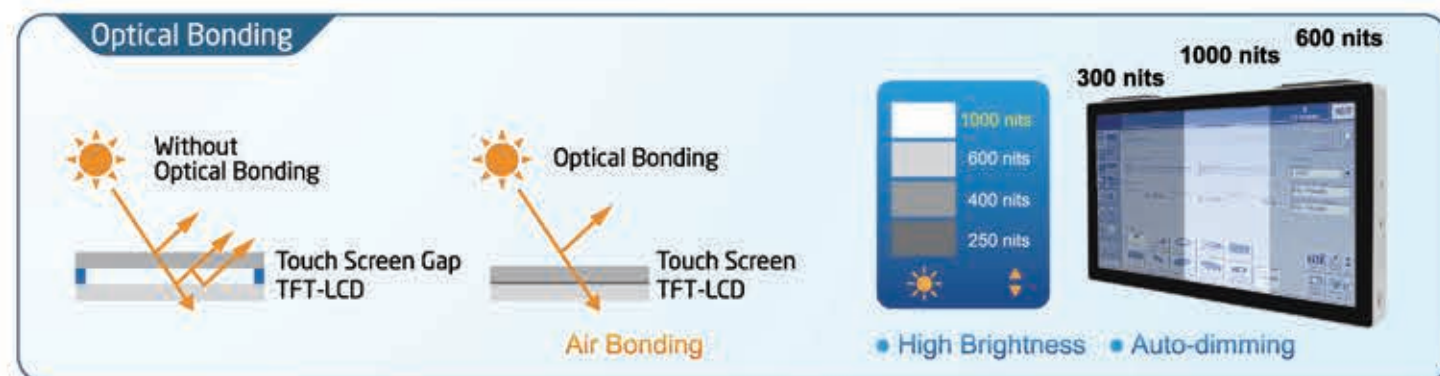
NuTAM is a new rugged series of stainless steel panel PC, which offers all-round features with high-performance processors. It features edge to edge slim front frame for space-saving, and fully IP66/IP69K waterproof function. NuTAM is perfectly designed for factories that require high standards of hygiene, especially for clean room, pharmaceutical, food and beverage industry, which must ensure their sanitation and prevent products from bacteria.

## Stainless Steel Rugged Chassis

Stainless steel has various advantages. With its great corrosion resistance and easy cleaning features, it is the perfect material for factories that seem sanitation as a crucial issue. Moreover, it is also durable and long-lasting.



### Sunlight Readable Solutions for Optional



## Features



### Stylish

- Edge to Edge
- Slim Front Frame
- Lightweight



### Rugged Design

- 7H Hardness
- PCT Multi-touch



### Easy to Clean

- IP66 / IP69K
- Smooth Surface
- Fanless Design



### Wide Range Operating

- Temperature from -20~60°C



### RFID Module

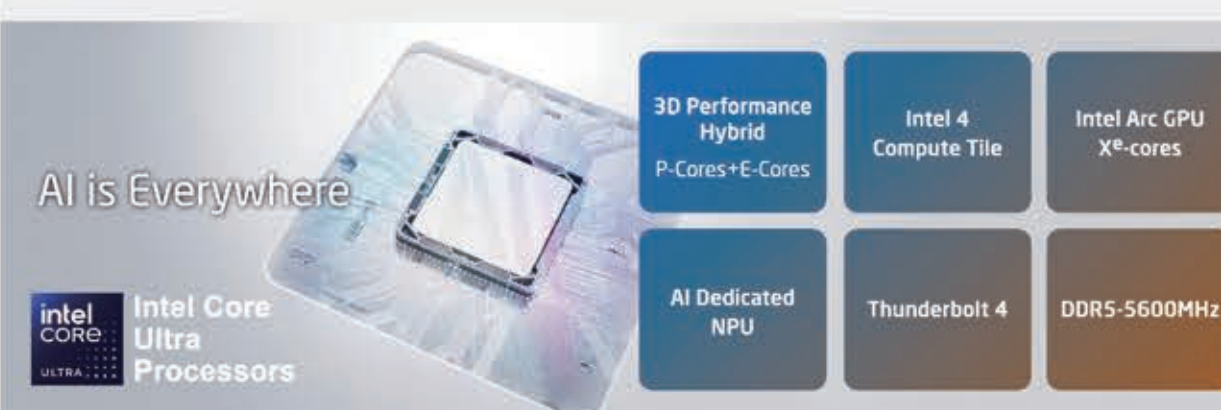
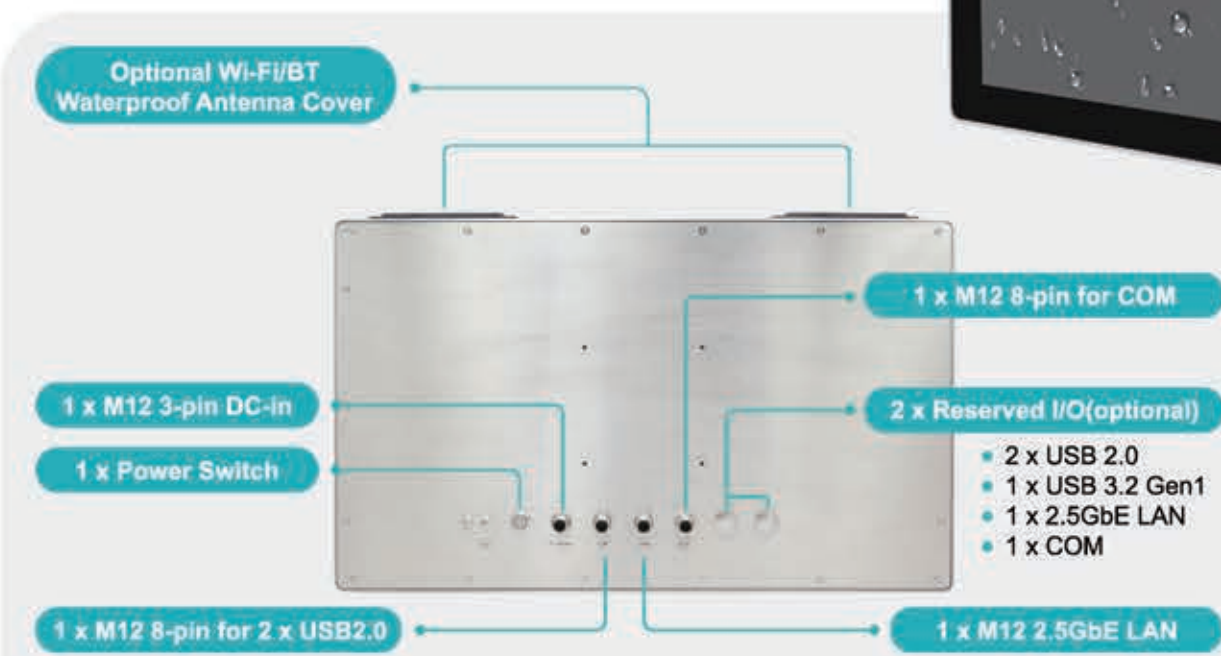
- RFID is Essential to Hygienic Factory by Contactless Operating.

## Waterproof & Dustproof Solution

NuTAM is certified with all-round IP66/ IP69K, which can resist intensive cleaning with high pressure and high temperature water jet. Moreover, with waterproof antenna covers and M12 connectors. NuTAM can prevent dirt and bacteria from accumulating.

## Completely IP Tested

IP66/IP69K



## Special Mounting for Versatile Applications



YOKE Mount



VESA Mount



VESA Mount  
100 x 100