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		Intel Core Ultra 5 125U / Intel Core Ultra 7 155U		
Memory	1 x DDR5-4800MHz SO-DIMM, up to 16GB		1 x DDR5-5600MHz SO-DIMM, up to 32GB		
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):2 x USB 2.0, 1 x USB 3.2 Gen1, 1 x 2.5GbE LAN, 1 x COM				
Expansion					
Expansion slot	1 x M.2 2230 E-Key (USB2.0, PCIe x1) for optional Wi-Fi/BT Module 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 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				

APLEX AT A GLANCE

Founded in 2004

APLEX has committed to providing and developing innovative technologies that enable to benefit our partners. By offering a full spectrum of quality products ranging from industrial panel PCs, HMI, industrial displays, embedded box PC.
APLEX is proud that we fulfill the requirements of our customers in a wide range of industrial applications fields, including factory automation, surveillance, control and communication, medical, healthcare, logistic.

Application

APLEX - Taiwan Headquarter

15F-1, NO.186, Jian Yi Road, Zhonghe Dist., New Taipei City, 235 Taiwan

Tel : +886-2-82262881
Fax : +886-2-82262883
e-mail : sales@aplex.com
URL: www.aplex.com

APLEX - USA

780 Montague Expy #404 San Jose, CA 95131

Tel: +1-669-999-2500
Fax: +1-669-999-2499
e-mail: sales@aplextec.com
URL: www.aplex.com

APLEX - ShenZhen

5F-5B01/03, Shenzhou Computer Building, Madame Curie Avenue, Vanke City Community, Bantian Street, Longgang District, Shenzhen, Guangdong

Tel:+86-755-2664-7540-319
Fax:+86-755-2664-8326
e-mail: salescn@aplex.com
URL: www.aplexiot.cn

aplex.com

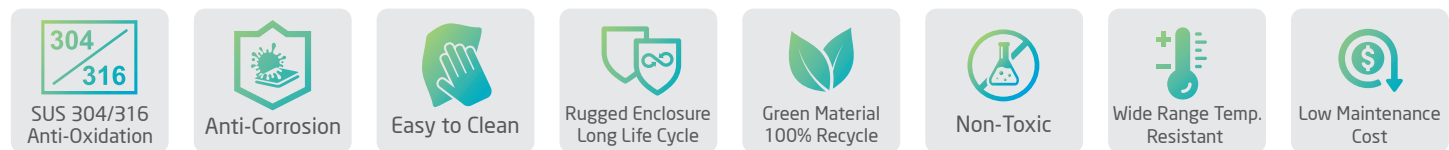**Intel Core Ultra/N97 Platform**

NuTAM Series

Comprehensively Hygienic Design
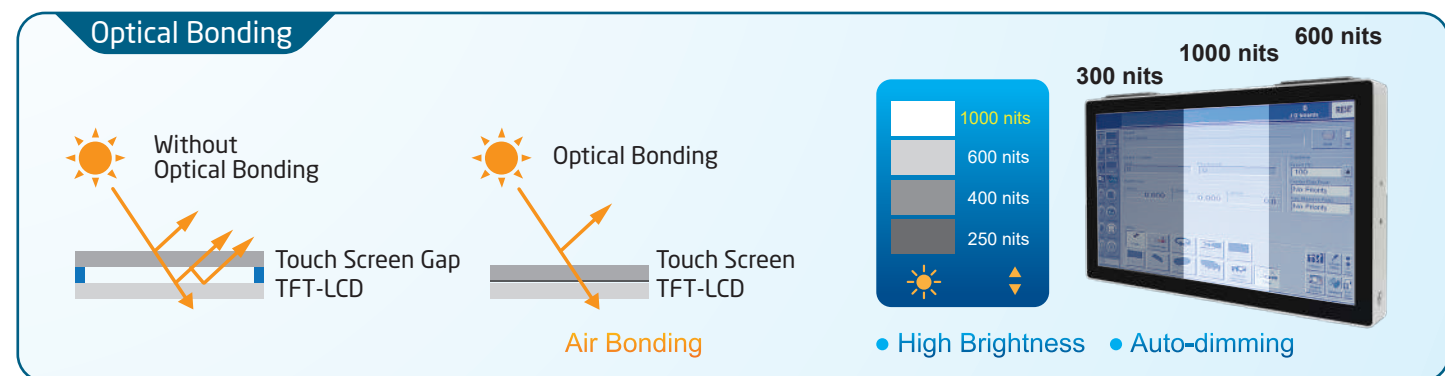IP66/IP69K Waterproof Stainless Steel Panel PC

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.

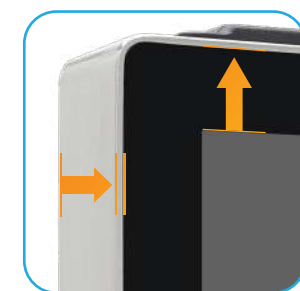## Stainless Steel Rugged Chassis

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.

SUS 304/316 Anti-Oxidation	Anti-Corrosion	Easy to Clean	Rugged Enclosure Long Life Cycle	Green Material 100% Recycle	Non-Toxic	Wide Range Temp. Resistant	Low Maintenance Cost

Sunlight Readable Solutions for Optional

- Without AF | With AF — **Anti-Fingerprint**
- Without AG | With AG — **Anti-Glare**
- Without AR | With AR — **Anti-Reflection**
- Anti-UV Ceramic Ink — **UV Protection**

Optical Bonding

- Without Optical Bonding — Touch Screen Gap TFT-LCD
- Optical Bonding — Touch Screen TFT-LCD
- Air Bonding

1000 nits / 600 nits / 400 nits / 250 nits
- High Brightness
- Auto-dimming

300 nits / 1000 nits / 600 nits

Features

Stylish
- Edge to Edge
- Slim Front Frame
- Lightweight

Rugged Design
Hardness 7H
- 7H Hardness
- PCT Multi-touch

Easy to Clean
- IP66 / IP69K
- Smooth Surface
- Fanless Design

Wide Range Operating
+60℃ / -20℃
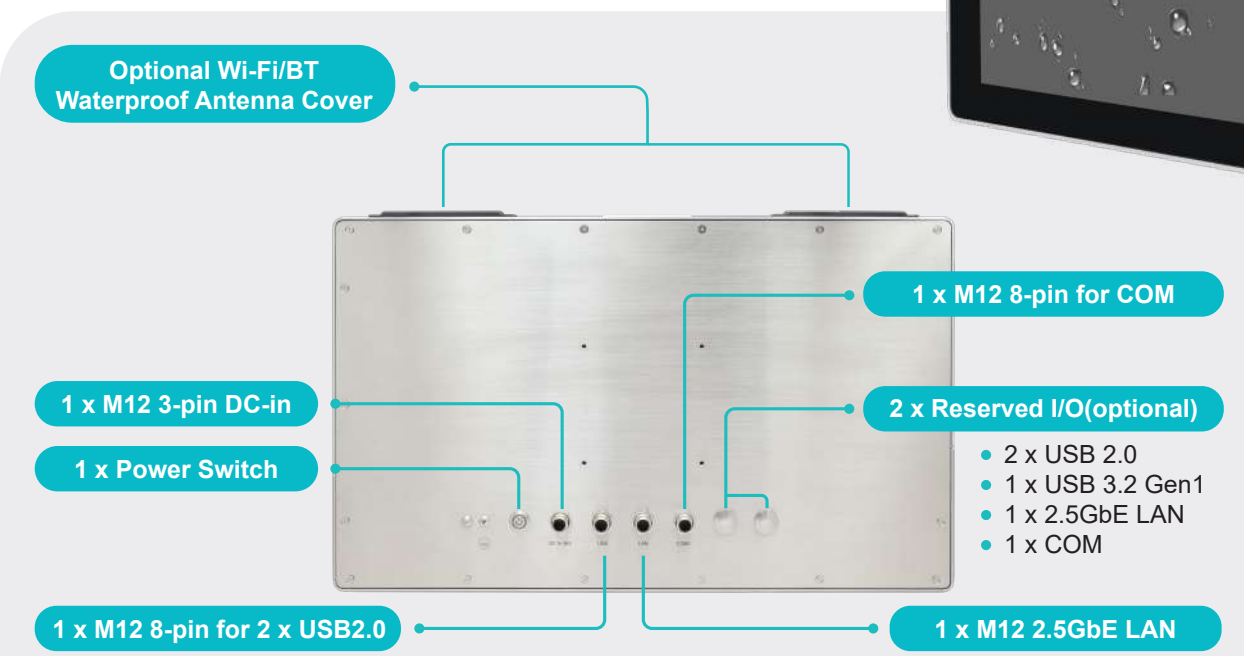- Temperature from -20~60℃

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

Waterproof Antenna Cover

Wi-Fi/BT

M12 Connectors

- Optional Wi-Fi/BT Waterproof Antenna Cover
- 1 x M12 3-pin DC-in
- 1 x Power Switch
- 1 x M12 8-pin for 2 x USB2.0
- 1 x M12 8-pin for COM
- 2 x Reserved I/O(optional)
  - 2 x USB 2.0
  - 1 x USB 3.2 Gen1
  - 1 x 2.5GbE LAN
  - 1 x COM
- 1 x M12 2.5GbE LAN

AI is Everywhere

Intel Core Ultra Processors

Intel 4 Compute Tile P-Cores+E-Cores	Intel Arc GPU Xe-cores	AI Dedicated NPU
DDR5-5600MHz	Reimagined Efficiency	Lead AI at Scale

Special Mounting for Versatile Applications

YOKE Mount

VESA Mount

VESA Mount 100 x 100