

Product Specification

Model	NuTAM-8C Series						NuTAM-9E Series							
	NuTAM-815CP(H)		NuTAM-816CP(H)		NuTAM-821CP(H)		NuTAM-915EP(H)		NuTAM-916EP(H)		NuTAM-917EP(H)		NuTAM-921EP(H)	
System														
CPU	Intel N97 Processor, Quad Core 2.0GHz Intel Atom x7425E, Quad Core 1.5GHz						Intel Core Ultra 5 125U Intel Core Ultra 7 155U							
Memory	1 x DDR5-4800MHz SO-DIMM, up to 32GB						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): 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 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, PCIe x1), Default is SATA Type for 8C Series 1 x M.2 2280 M-Key socket (PCIe x4) as standard for 9E Series													
Display														
Display Type	15" TFT-LCD		15.6" TFT-LCD		21.5" TFT-LCD		15" TFT-LCD		15.6" TFT-LCD		17" TFT-LCD		21.5" TFT-LCD	
Max. Resolution	1024 x 768		1920 x 1080		1920 x 1080		1024 x 768		1920 x 1080		1280 x 1024		1920 x 1080	
Max. Color	16.2M	16.7M	16.7M	16.2M	16.7M	16.7M	16.2M	16.7M	16.7M	16.2M	16.7M	16.7M	16.7M	16.7M
Luminance (cd/m2)	350	1000	350	1000	250	1000	350	1000	350	1000	350	1000	250	1000
View Angle (H/V)	170/170	178/178	178/178	170/170	178/178	178/178	170/170	178/178	178/178	170/170	170/160	160/140	178/178	170/170
Contrast	800:1	800:1	1000:1	1000:1	1,000:1	1,000:1	800:1	800:1	1000:1	1000:1	1,000:1	800:1	1,000:1	1,000:1
Backlight Lifetime (hrs)	30,000	70,000	50,000	50,000	50,000	50,000	30,000	70,000	50,000	50,000	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	397 x 246 x 49		529 x 321 x 49		359 x 283 x 49	397 x 246 x 49		396 x 326 x 49		529 x 321 x 49			
Net Weight (kg)	TBD													
Environmental														
Operating Temperature	-20~60℃		-20~60℃		0~50℃		-20~60℃		-20~60℃		-20~60℃		0~50℃	
Storage Temperature	-30~70℃		-30~70℃		-10~60℃		-30~70℃		-30~70℃		-30~70℃		-10~60℃	
Humidity	10 to 95% @ 40℃, 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



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Intel Core Ultra/N97 Platform

NuTAM Series

Comprehensively Hygienic Design
IP66/IP69K Waterproof Stainless Steel Panel PC

NuTAM Series

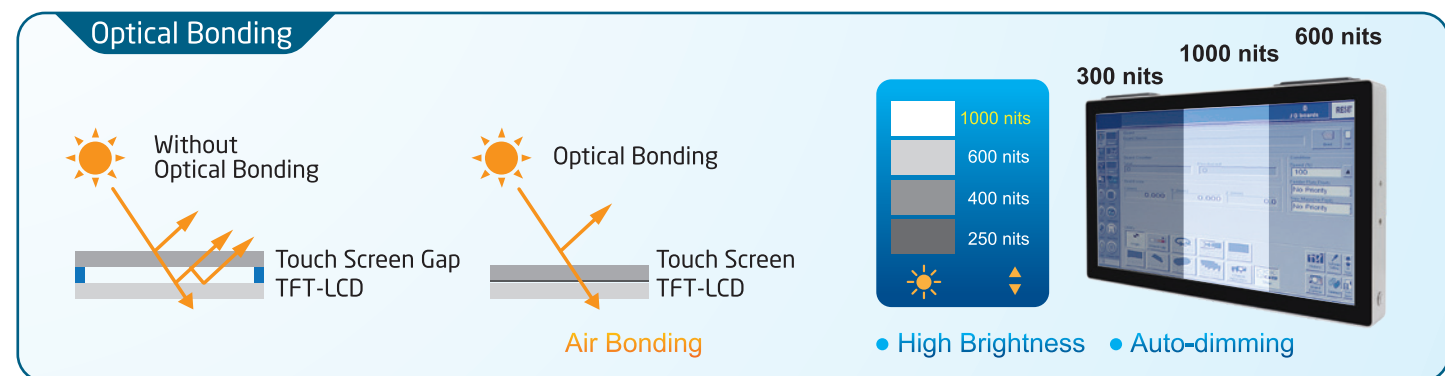
NuTAM is a new rugged series of stainless steel panel PC, which offers all-round features with high-performance processors. It features edge to edge slim front frame for space-saving, and fully IP66/IP69K waterproof function. NuTAM is perfectly designed for factories that require high standards of hygiene,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

Stainless Steel Rugged Chassis

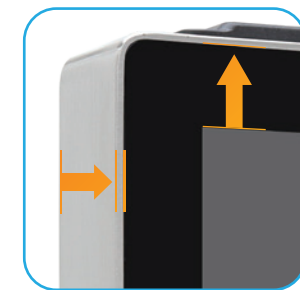
Stainless steel has various advantages. With its great corrosion resistance and easy cleaning features, it is the perfect material for factories that seem sanitation as a crucial issue. Moreover, it is also durable and long-lasting.



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

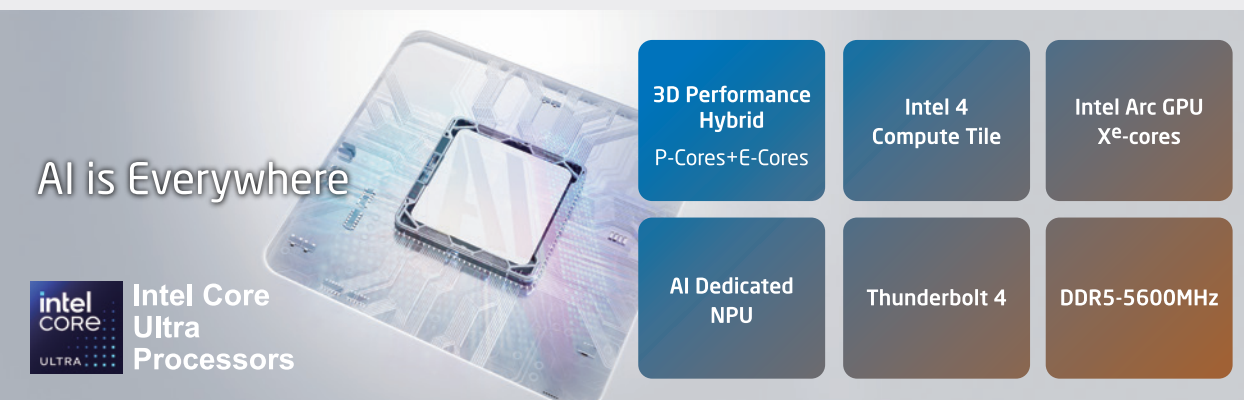
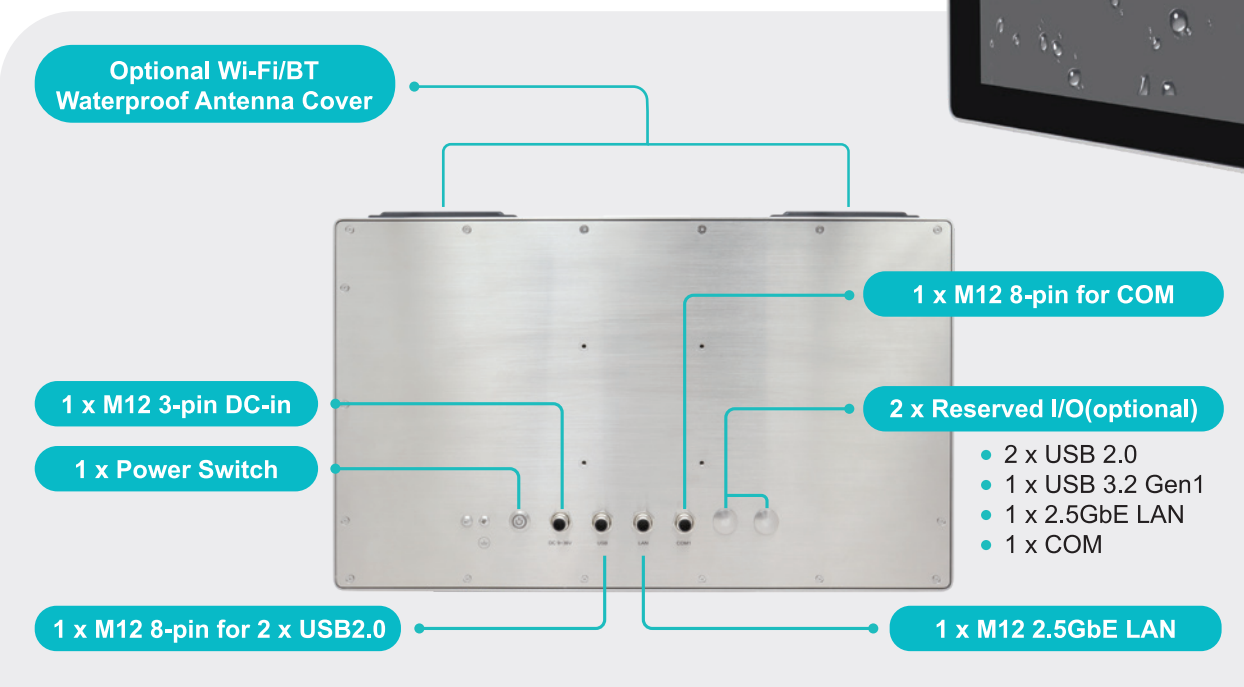
- RFID is Essential to Hygienic Factory by Contactless Operating.

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

