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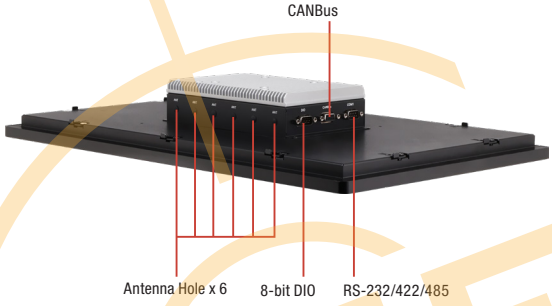
ACP-4210-NX

21.5” Full HD 1920 x 1080 AI Panel PC with NVIDIA® Jetson Orin™ NX

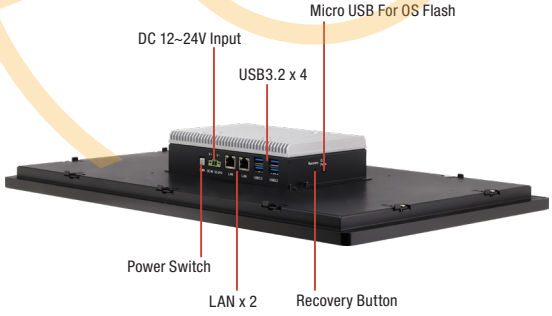
Front View



Top View



Bottom View



Features

- 21.5” TFT-LCD with Projected Capacitive Touch
- NVIDIA® Jetson Orin™ NX 16GB / 8GB
- LPDDR5 8GB / 16GB memory (dependent on module selection)
- M.2 2230 E-Key, M.2 3042/3052 B-Key, M.2 2280 M-Key
- Dual GbE LAN, USB 3.2 Gen 2 x 4, CANBus, RS-232/422/485, DIO
- Wide Voltage Input: DC 12V-24V
- Ubuntu 22.04 + NVIDIA JetPack™ support

Giga LAN · USB 3.2 Gen2 · Full-Size MiniCard · Wide Voltage · CE · FC

Specifications

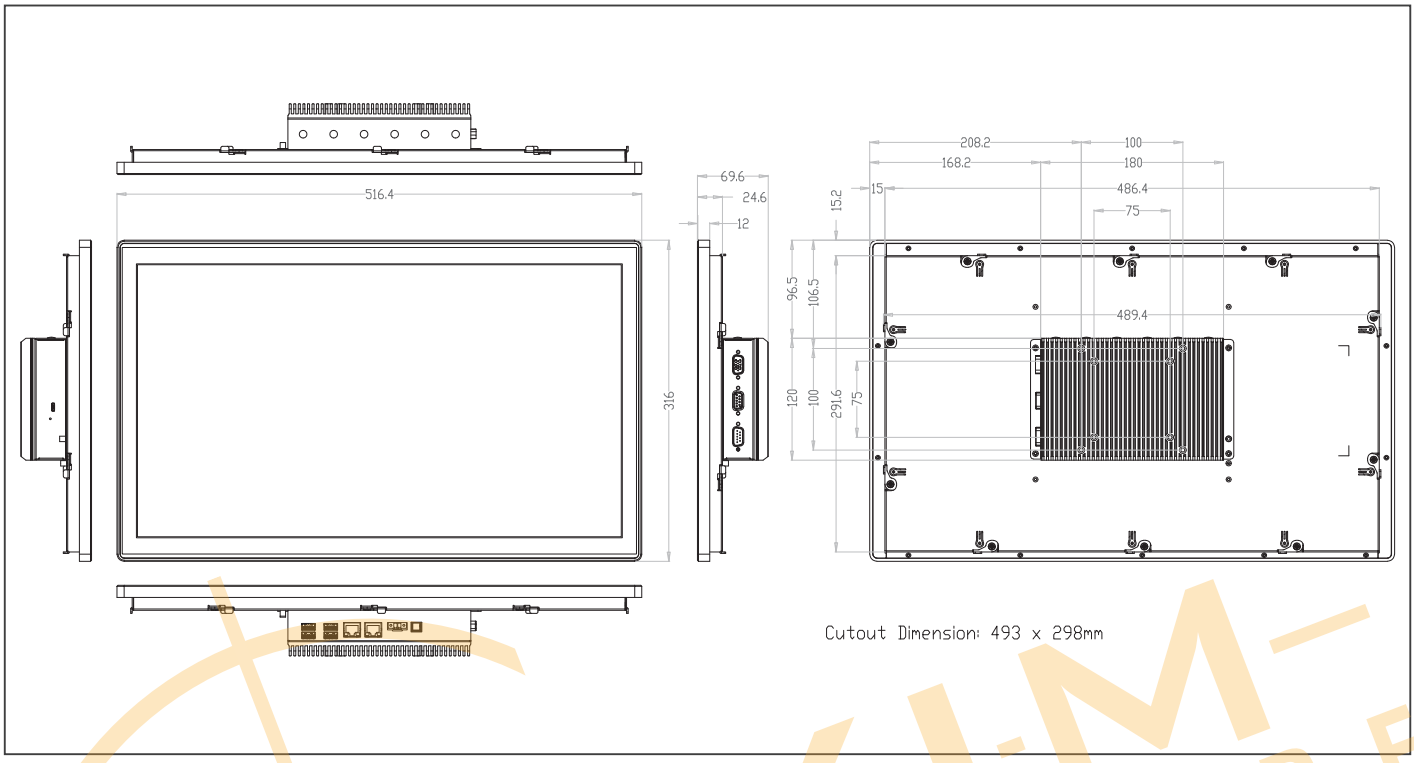
System	
Processor	NVIDIA® Jetson Orin™ NX 16GB: 8-core Arm® Cortex®-A78AE v8.2 64-bit CPU NVIDIA® Jetson Orin™ NX 8GB: 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	LPDDR5 8GB / 16GB (dependent on module SKU)
LCD/CRT controller	—
Ethernet	GbE LAN x2
I/O Port	USB 3.2 Gen 2 (Type-A) x 4 GbE LAN x 2 Micro USB x 1 for OS Flash DB-9 x 1 for CANBus DB-9 x 1 for RS-232/422/485 DB-15 x 1 for 8-bit DIO Power ON/OFF Switch x 1 Recovery Button x 1 Antenna Hole x 6
Storage Disk Drive	M.2 2280 M-Key x 1 for Storage (Default: 128GB)
Expansion Slot	M.2 2230 E-Key x 1 M.2 3042/3052 B-Key x 1
OS support	Ubuntu 22.04
Mechanical	
Construction	Aluminum Front Bezel + Metal Chassis
Mounting	VESA 100 / Panel Mount
Dimension	20.3” x 12.4” x 2.7” (516.4mm x 316.0mm x 69.6mm)
Carton Dimension	27.4” x 19.1” x 7.4” (695mm x 485mm x 188mm)
Gross Weight	17.68 lb (8.02 kg)
Environmental	
Operating Temperature	23°F ~ 131°F (-5°C ~ 55°C) with 0.7 m/s airflow
Storage Temperature	-4°F ~ 140°F (-20°C ~ 60°C)
Storage Humidity	90% @ 40°C, non-condensing
Vibration	1Grms / 5~ 500Hz / operation
Shock	15 G peak acceleration (11 msec. duration)
EMC	CE/FCC Class A
Power Supply	
DC Input	DC 12~24V
LCD	
Display Type	21.5" TFT-LCD, LED
Max Resolution	1920 (H) x 1080 (V)
Max. Colors	16.7M
Luminance	350 cd/m² (Typ.)
Viewing Angle	178° (H) ; 178° (V)
Back Light	LED
Back Light MTBF (Hours)	30,000 hrs
Touchscreen	
Type	Projected Capacitive Multi-Touch
Light Transmission	≥ 85%

Note: All specifications are subject to change without notice.

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Dimension

Unit: mm



Packing List

- Phoenix Power Connector
- Screws
- ACP-4210-NX

Optional Accessories

Part Number	Description
170X000799	Power Cord (US Type)
170X001024	Power Cord (European Type)
170X000803	Power Cord (Japanese Type)
1255300611	12V 60W Power Adapter

Ordering Information

Part Number	Display Type	Max Resolution	Luminance	View Angle	CPU	LAN	USB	RS-232/422/485	Storage	RAM	Display	Internal Expansion	Mounting	Power	Operating Temp.	Touch
ACP-4210-NX-A1-1010	21.5" TFT LCD	1920 (H) x 1080 (V)	350 cd/m²	178° (H) ; 178° (V)	NVIDIA® Jetson Orin™ NX	2	USB 3.2 Gen 2 x 4	1	M.2 2280 M-Key x 1 for Storage (Default: 128GB)	8GB	HDMI x1	M.2 2230 E-Key x 1 M.2 3042/3052 B-Key x 1	VESA / Panel Mount	DC 12 ~ 24V	23°F ~ 131°F (-5°C ~ 55°C)	P-CAP
ACP-4210-NX-A2-1010	21.5" TFT LCD	1920 (H) x 1080 (V)	350 cd/m²	178° (H) ; 178° (V)	NVIDIA® Jetson Orin™ NX	2	USB 3.2 Gen 2 x 4	1	M.2 2280 M-Key x 1 for Storage (Default: 128GB)	16GB	HDMI x1	M.2 2230 E-Key x 1 M.2 3042/3052 B-Key x 1	VESA / Panel Mount	DC 12 ~ 24V	23°F ~ 131°F (-5°C ~ 55°C)	P-CAP

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