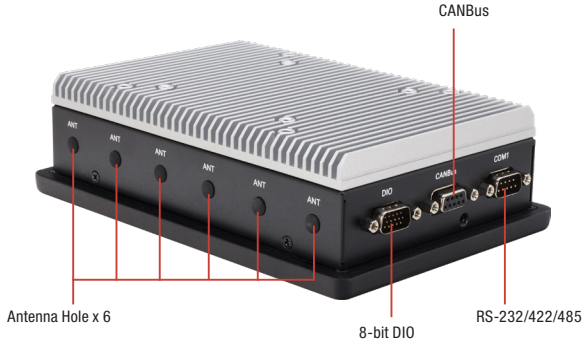
ACP-4070-NANO

7” WSVGA Multi Touch AI Panel PC with NVIDIA® Jetson Orin Nano™

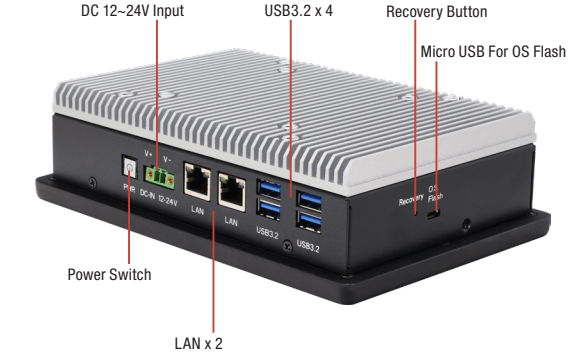
Front View



Top View



Bottom View



Features

- 7” WSVGA (1024 x 600) Color TFT LCD Display
- Projected Capacitive Multi Touch
- NVIDIA® Jetson Orin Nano™ (6-core Arm Cortex-A78AE)
- LPDDR5 8GB Memory
- Dual GbE (OOB x 1)
- M.2 E-Key, M.2 B-Key, M.2 M-Key (pre-installed NVMe 128GB)
- Wide Voltage Input: DC 12~24V

1000 Giga LAN · USB 3.2 Gen2 · Wide Voltage

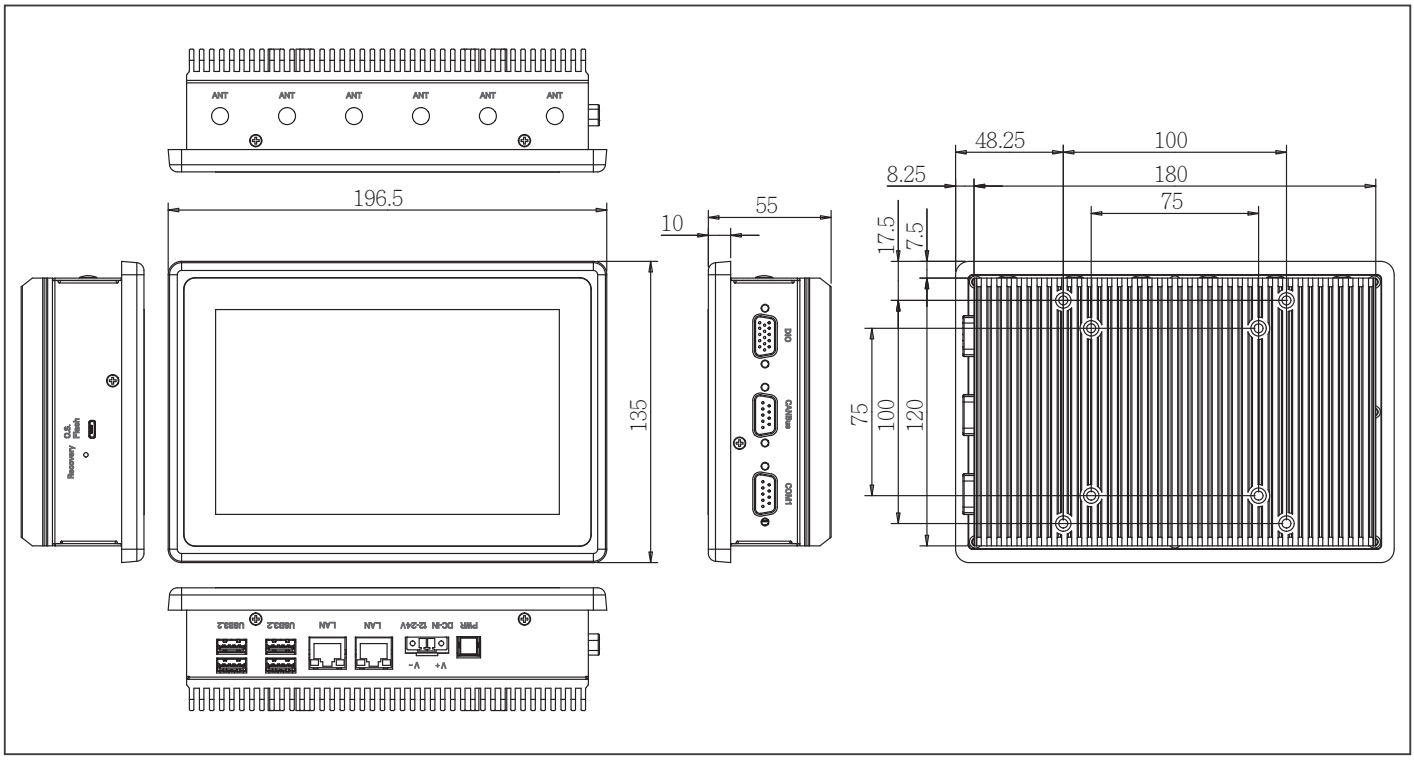
Specifications

System	
Processor	NVIDIA® Jetson Orin Nano™ 6-core Arm® Cortex®-A78AE v8.2 64-bit CPU
System Memory	LPDDR5 8GB
LCD/CRT controller	—
Ethernet	GbE LAN x 2
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	NVIDIA® Jetson™ Linux 36.4.4
Mechanical	
Construction	Aluminum Front Bezel + Metal Chassis
Mounting	VESA 75/100
Dimension	7.7” x 5.3” x 2.2” (196.5mm x 135.0mm x 55.0mm)
Carton Dimension	11.0” x 8.7” x 6.1” (280mm x 220mm x 154mm)
Gross Weight	4.98 lb (2.26Kg)
Environmental	
Operating Temperature	23°F ~ 131°F (-5°C ~ 55°C)
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	7" TFT LCD, LED
Max Resolution	1024 x 600
Max. Colors	16.7M
Luminance	320 cd/m2
Viewing Angle	150° (H) / 145° (V)
Back Light	LED
Back Light MTBF (Hours)	30,000
Touchscreen	
Type	Projected Capacitive Multi-Touch
Light Transmission	80% ± 3%

Note: All specifications are subject to change without notice.

Dimension

Unit: mm



Packing List

- ACP-4070-NANO
- Power connector
- Screw Pack

Optional Accessories

Part Number	Description
1255300611	60W Power Adapter
170X000799	Power Cord (US Type)
170X000800	Power Cord (European Type)
170X000803	Power Cord (Japanese Type)

Ordering Information

Part Number	Display Type	Resoulution	Luminance	View Angle	Backlight MTBF	GPU	LAN	USB	RS-232/422/485	Storage	RAM	Expansion	Mounting	Power	Operating Temp.	Touch
ACP-4070-NANO-A1-1010	7" TFT LCD	1024 x 600	320 cd/m2	150° (H) 145° (V)	30,000 Hrs	NVIDIA® Jetson Orin Nano™	2	USB 3.2 Gen 2 x 4	1	M.2 2280 M-Key x 1 for Storage (Default: 128GB)	8GB	M.2 2230 E-Key x 1 M.2 3042/3052 B-Key x 1	VESA 75/100	DC 12 ~ 24V	23°F ~ 131°F (-5°C ~ 55°C)	P-CAP