

OMNI-3105-ADN

10.4" Modular HMI Panel PC With Intel® Processor N-series Processors

Front View



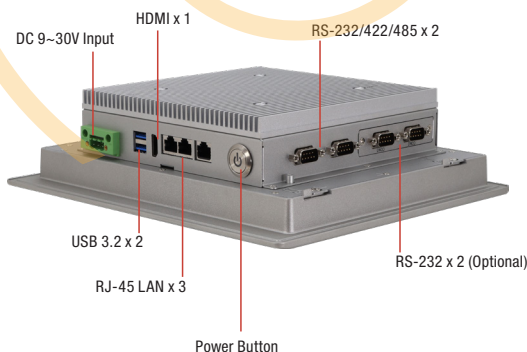
Top View



Antenna Hole x 2

USB 2.0 x 2

Bottom View



DC 9~30V Input

HDMI x 1

RS-232/422/485 x 2

USB 3.2 x 2

RJ-45 LAN x 3

Power Button

RS-232 x 2 (Optional)

Features

- 10.4" (1024 x 768) TFT LCD Display
- Intel® Processor N-series Processors
- Projected Capacitive Multi Touch
- Aluminum Design
- IP65 Compliant Front Bezel
- Fanless Operation
- VESA Mount/Built-in Panel Mount Bracket
- 9-30V DC in a wide range of input



Giga LAN



HDMI



DDR 5



USB 3.2



USB 2.0



Full-size

Wide Voltage



CE

CE

FC

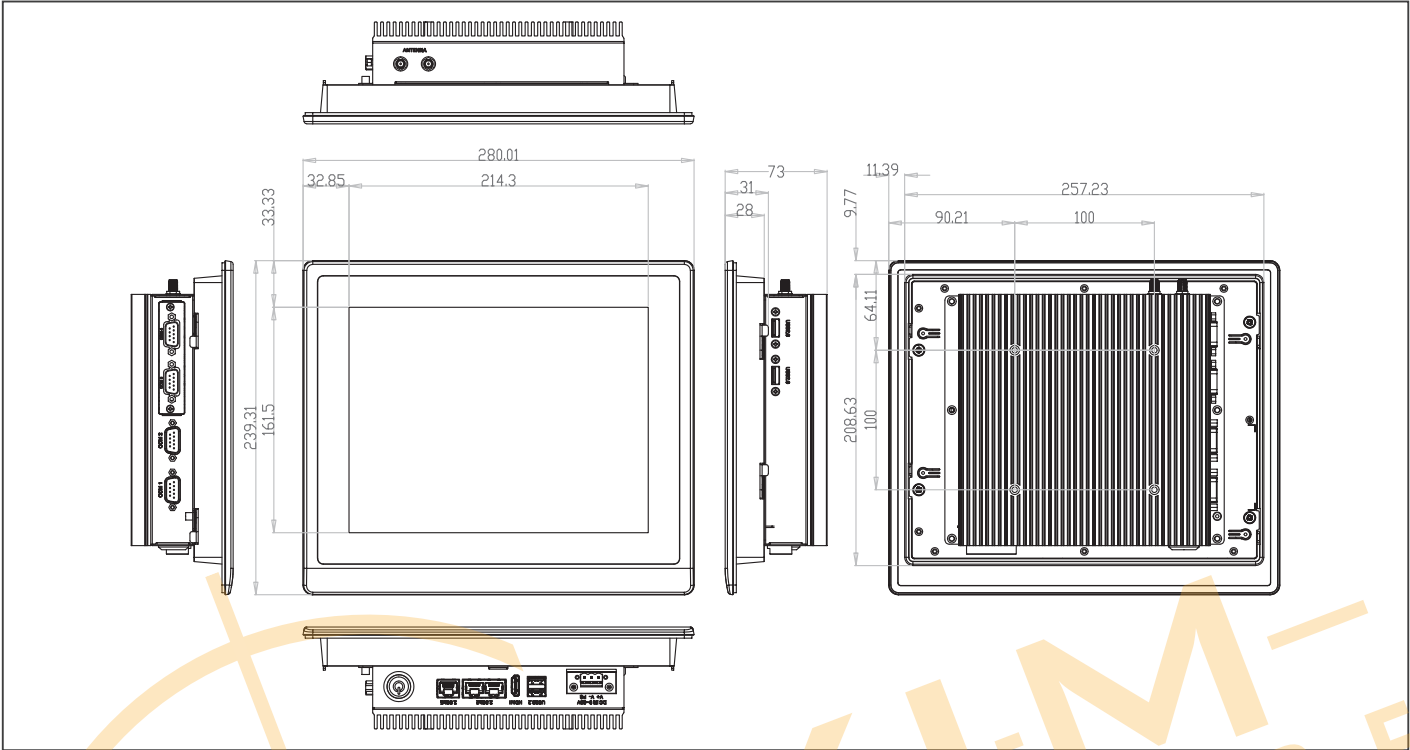
Specifications

System	
Processor	Intel® Processor N50 Intel® Processor N97
System Memory	DDR5 4800 MHz, up to 16GB SODIMM x 1
LCD/CRT Controller	CPU Integrated
Ethernet	Intel® Ethernet Controller I226, 2.5GbE LAN x 3
I/O Port	USB 3.2 Gen 2 (Type-A) x 2 USB 2.0 x 2 DB-9 x 2 (RS-232/422/485, set by BIOS) HDMI 1.4b x 1 2.5GbE RJ-45 x 3 9V ~ 30V 3-pin DC Terminal Block Connector Power on/off Switch with LED Light x 1
Storage Disk Drive	2.5" SATA Drive Bay x 1 (SATA 6Gb/s) Full-size mPCIe (PCIe [x1]/SATA)
Expansion Slot	M.2 3052 B-Key x 1 with Nano SIM M.2 2230 E-Key x 1
OS support	Windows® 10 IoT Enterprise LTSC 2021 Windows® 10/11
Mechanical	
Construction	Aluminum Front Bezel + Metal Chassis
Mounting	Panel Mount/VESA Mount (VESA 100)
Dimension	11" x 9.4" x 2.9" (280.01 mm x 239mm x 72.8mm)
Carton Dimension	16.3" x 7.1" x 15.4" (415mm x 180mm x 392mm)
Gross Weight	6.4 lb. (2.9Kg)
Environmental	
Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C) with 0.7m/s airflow
Storage Temperature	-4°F~140°F (-20°C~60°C)
Storage Humidity	90% @40°C; non-condensing
Vibration	1Grms /5~500Hz/ operation - with mSATA
Shock	15G peak acceleration (11 m sec. duration) with mSATA
EMC	CE/FCC Class A
Power Supply	
DC input	DC 9~30V
LCD	
Display Type	10.4" TFT LCD, LED
Max Resolution	1024 (H) x 768 (V)
Max. Colors	16.7M
Luminance	500 cd/m²
Viewing Angle	176° (H) x 176° (V)
Back Light	LED
Back Light MTBF (Hours)	50,000
Touchscreen	
Type	Projected Capacitive Multi-Touch
Light Transmission	90%



Dimension

Unit: mm



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
OMNI-3105HTT-ADN-A1-1010	10.4" TFT LCD	1024 x 768	500 cd/m ²	176° (H) / 176° (V)	Intel® Processor N50	3	USB 3.2 x 2 USB 2.0 x 2	2	SATA-III x1 (6 Gb/s, for 2.5" SATA drive bay) Full Size mPCIe (Support PCIe(x1) / SATA)	DDR5, up to 16GB	HDMI x1	M.2 B-Key 3052 x1 with Nano SIM M.2 E-Key 2230 x1	VESA / Panel Mount	DC 9~30V	-20°C~50°C with air flow	Projective Touch
OMNI-3105HTT-ADN-A2-1010	10.4" TFT LCD	1024 x 768	500 cd/m ²	176° (H) / 176° (V)	Intel® Processor N97	3	USB 3.2 x 2 USB 2.0 x 2	2	SATA-III x1 (6 Gb/s, for 2.5" SATA drive bay) Full Size mPCIe (Support PCIe(x1) / SATA)	DDR5, up to 16GB	HDMI x1	M.2 B-Key 3052 x1 with Nano SIM M.2 E-Key 2230 x1	VESA / Panel Mount	DC 9~30V	-20°C~50°C with air flow	Projective Touch

Packing List

- Phoenix Power Connector
- OMNI-3105-ADN
- Screws

Optional Accessories

- AP-OT9789LA1000
LA-100 LCD Monitor Stand
- 170X000799
Power Cord (US Type)
- 170X000800
Power Cord (European Type)
- 170X000803
Power Cord (Japanese Type)
- 1255900849
12V 84W Power Adapter

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All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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