

OMNI-3125-ADN

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



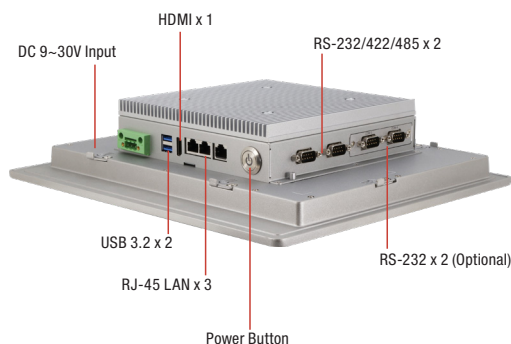
Front View



Top View



Bottom View



Features

- 12.1" (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



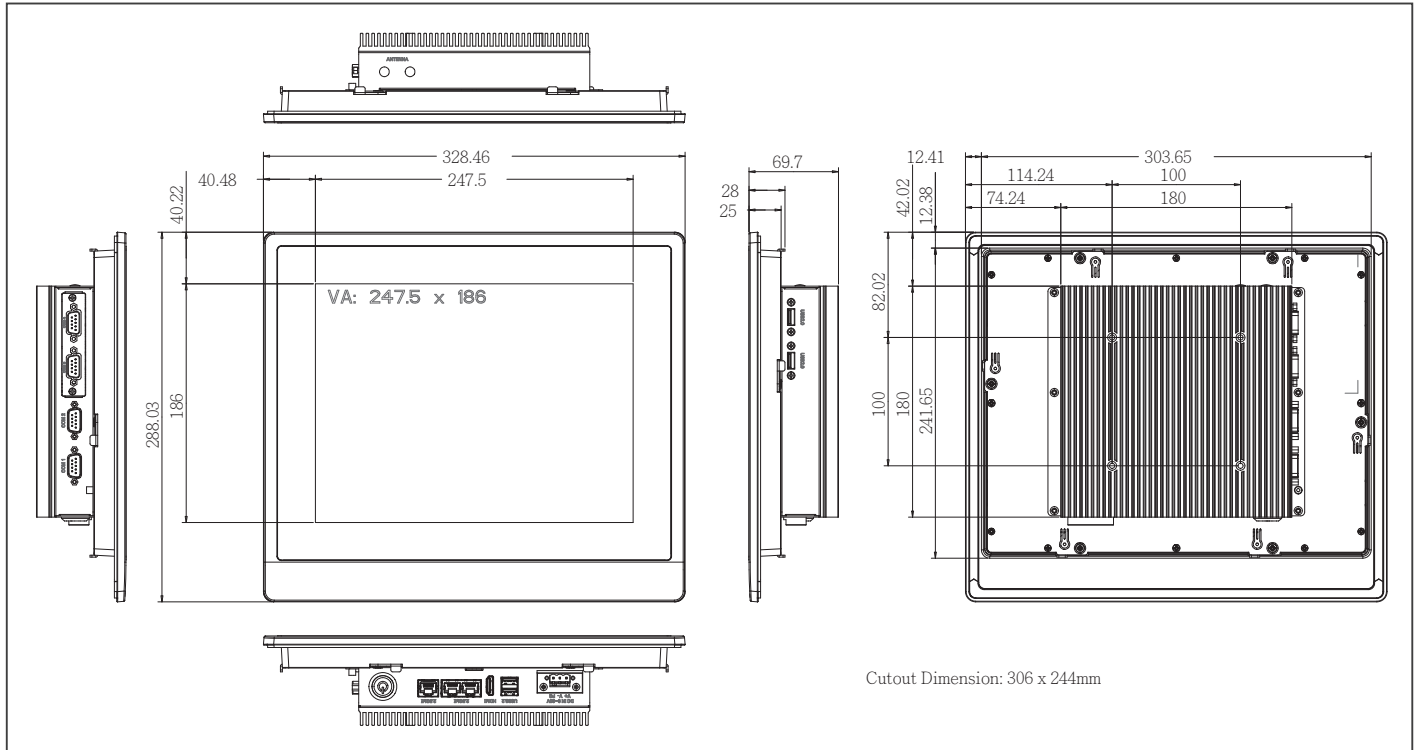
Specifications

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, GbE x 3
I/O Port	USB 3.2 Gen 2 (Type-A) x 3 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	12.9" x 11.3" x 2.7" (328.5mm x 288mm x 69.7mm)
Carton Dimension	20.9" x 17.5" x 7.9" (530mm x 445mm x 200mm)
Gross Weight	10.7 lb. (4.84Kg)
Environmental	
Operating Temperature	-4°F~-122°F (-20°C~50°C) with 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	15 G peak acceleration (11 m sec. duration) with mSATA
EMC	CE/FCC Class A Compatible
Power Supply	
DC input	DC 9~30V
LCD	
Display Type	12.1" TFT LCD, LED
Max Resolution	1024 (H) x 768 (V)
Max. Colors	16.2M
Luminance	500 cd/m²
Viewing Angle	160° (H) ; 160° (V)
Back Light	LED
Back Light MTBF (Hours)	50,000
Touchscreen	
Type	P-CAP/ 5-wire resistive
Light Transmission	P-CAP (90% ± 3%), 5-wire Resistive (80% ± 3%)



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-3125HTT-ADN-A1-1010	12.1" TFT LCD	1024 x 768	500 cd/m ²	160° (H) / 160° (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-3125HTT-ADN-A2-1010	12.1" TFT LCD	1024 x 768	500 cd/m ²	160° (H) / 160° (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
OMNI-3125HTT-ADN-A3-1010	12.1" TFT LCD	1024 x 768	500 cd/m ²	160° (H) / 160° (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	5-wire Resistive Touch
OMNI-3125HTT-ADN-A4-1010	12.1" TFT LCD	1024 x 768	500 cd/m ²	160° (H) / 160° (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	5-wire Resistive Touch

Packing List

- Phoenix Power Connector
- OMNI-3125-ADN
- Screws

Optional Accessories

- AP-OT9789LA1000
LA-100 LCD Monitor Stand
- 170X000799
Power Cord (US Type)
- 170X001024
Power Cord (European Type)
- 170X000803
Power Cord (Japanese Type)
- 1255900849
12V 84W Power Adapter