

# OMNI-3105-ADP

10.4" Modular HMI Panel PC with 12th Generation Intel® Core™/Celeron® Processors

Front View

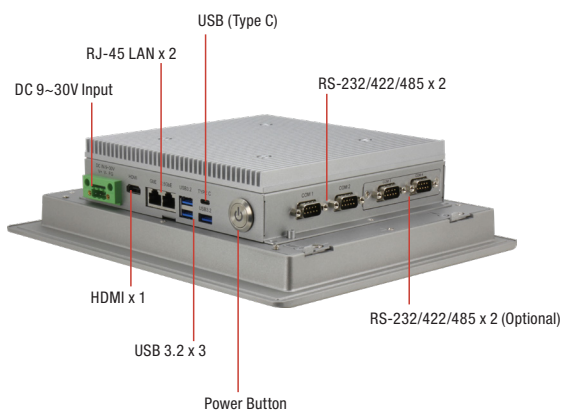


Top View



Antenna Hole x 2

Bottom View



## Features

- 10.4" (1024 x 768) TFT LCD Display
- 12th Generation Intel® Core™/Celeron® Processors (Max. 15W TDP)
- P-CAP or Resistive Touch Screen Support
- M.2 2280 M-Key x 1 (PCIe [x4] NVMe Storage)
- Aluminum Design
- IP65 Compliant Front Bezel
- Fanless Operation
- VESA Mount/Built-in Panel Mount Bracket
- 9-30V DC in a wide range of input

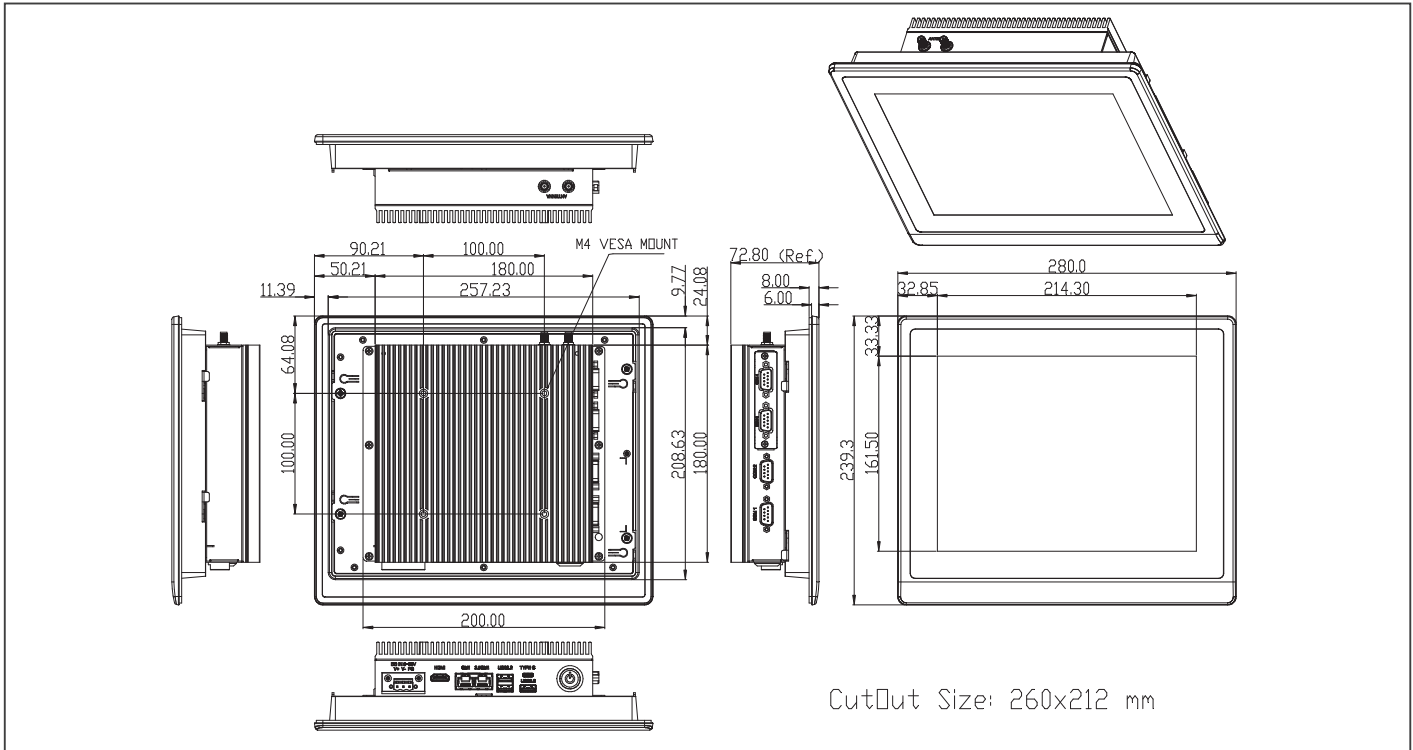


## Specifications

System	
Processor	12th Generation Intel® Core™/Celeron® Processors
System Memory	DDR5 4800MHz, Dual Channel SODIMM x 2
LCD/CRT Controller	—
Ethernet	Intel® Ethernet Connection I219, 10/100/1000Base Intel® Ethernet Controller I226, 10/100/1000/2500Base
I/O Port	RJ-45 LAN x 2 USB 3.2 Gen 2 (Type-A) x 3 USB (Type-C) x 1 HDMI 2.0b x 1 DB-9 x 2 (RS-232/422/485)
Storage Disk Drive	2.5" HDD Bay for SATA 6Gb/s x 1 M.2 2280 M-Key x 1 (PCIe [x4] NVMe Storage)
Expansion Slot	M.2 3052 B-Key x 1 (BOM Optional: PCIe [x2], default: USB 3.2 Gen 2 + SATA) M.2 2230 E-Key x 1 (PCIe, USB 2.0)
OS support	Windows® 10 IoT Enterprise LTSC 2021 Windows® 10/11
Mechanical	
Construction	Aluminum Front Bezel + Metal Chassis
Mounting	VESA / Panel Mount
Dimension	11" x 9.4" x 2.8" (280mm x 239.3mm x 72.8mm)
Carton Dimension	16.3" x 15.4" x 7" (415mm x 392mm x 180mm)
Gross Weight	6.2 lb. (2.84Kg)
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
Shock	15 G peak acceleration (11 msec. duration)
EMC	CE/FCC Class A Compatible
Power Supply	
DC input	DC 9~30V
LCD	
Display Type	10.4" TFT-LCD, LED
Max Resolution	1024 (H) x 768 (V)
Max. Colors	262K/16.7M
Luminance	500 cd/m <sup>2</sup>
Viewing Angle	176° (H) x 176° (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



CutOut Size: 260x212 mm

## Packing List

- Phoenix Power Connector
- OMNI-3105-ADP
- 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)
- **1255X00059**  
19V 120W Power Adapter
- **9651MNAD02**  
USB 2.0 x 2 (Expansion I/O Module)
- **9651MNAD01**  
RS-232/422/485 x 2 (Expansion I/O Module)

## 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-ADP-A1-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Celeron® Processor 7305E	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Resistive Touch
OMNI-3105HTT-ADP-A2-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Core™ i3-1215UE	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Resistive Touch
OMNI-3105HTT-ADP-A3-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Core™ i5-1245UE	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Resistive Touch
OMNI-3105HTT-ADP-A5-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Celeron® Processor 7305E	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Projective Touch
OMNI-3105HTT-ADP-A6-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Core™ i3-1215UE	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Projective Touch
OMNI-3105HTT-ADP-A7-1010	10.4" TFT LCD	1024 x 768	500 cd/m <sup>2</sup>	176° (H) x 176° (V)	Intel® Core™ i5-1245UE	2	USB 3.2 Gen2 (Type A) x3 USB 2.0 x1 (Type C)	2	2.5" SATA-III x1 M.2 2280 M-Key x1 (PCIe[x4] for NVMe Storage)	DDR5, up to 64GB	HDMI x1	M.2 3052 B Key x1 (Default: USB 3.2Gen 2 + SATA, PCIe[x2] optional by BOM) M.2 2230 E-Key x1 (PCIe, USB 2.0)	VESA / Panel Mount	DC 9~30V	-20°~50°C with air flow	Projective Touch