

OMNI-2215-ADP

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

Front View

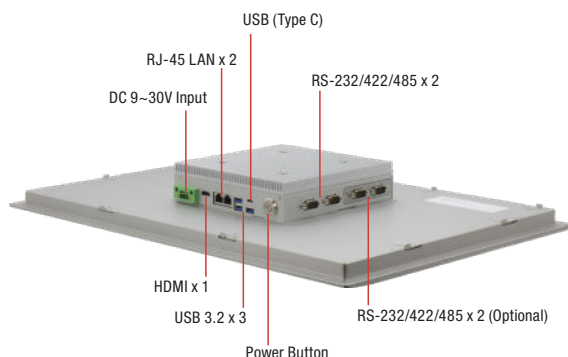


Top View



Antenna Hole x 2

Bottom View



Features

- 21.5" (1920 x 1080) TFT LCD Display
- 12th Generation Intel® Core™/Celeron® Processors
- 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

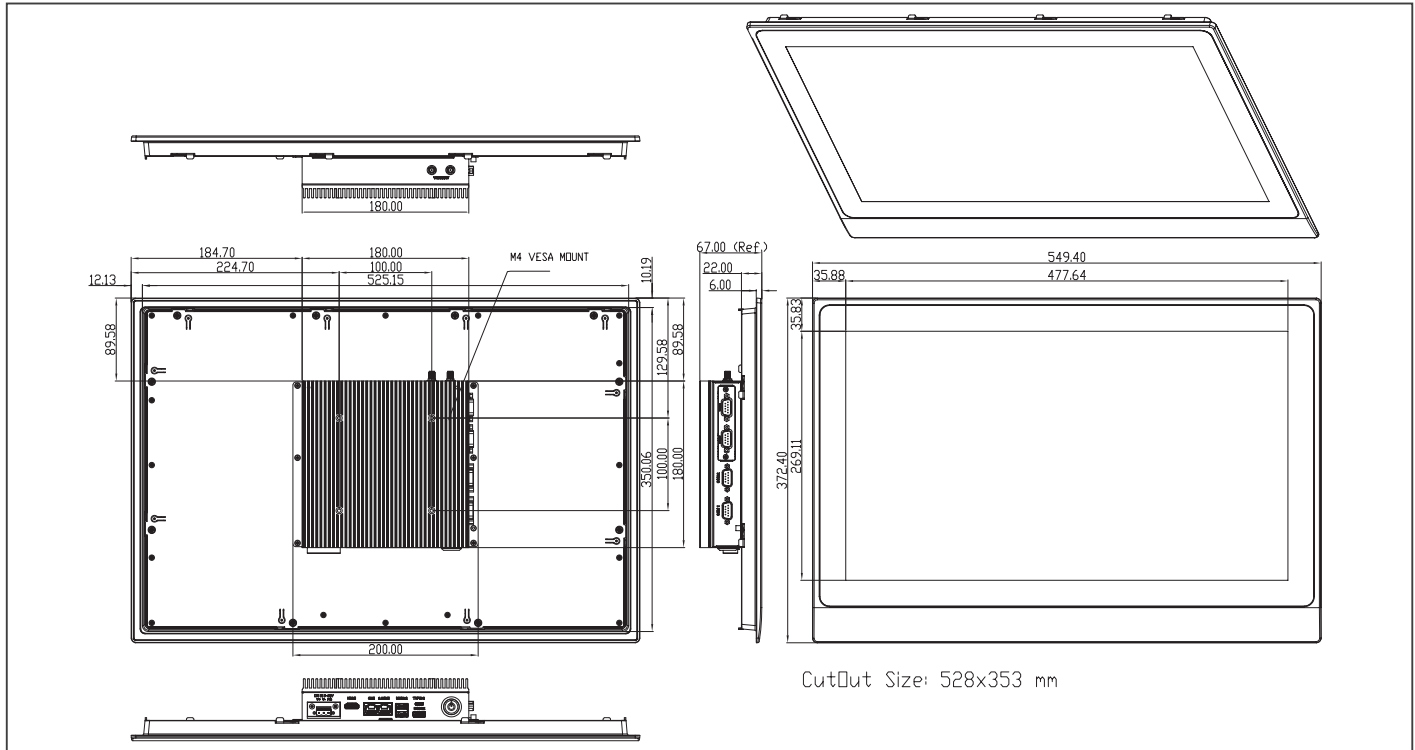


Specifications

System	
Processor	12th Generation Intel® Core™/Celeron® Processors
System Memory	DDR5 4800MHz, Dual Channel SODIMM x 2, up to 64GB
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 2.0 (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 (Default: USB 3.2 Gen 2 + SATA, PCIe [x2] optional by BOM) 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	21.63" x 14.66" x 2.64" (549.4mm x 372.4mm x 67mm)
Carton Dimension	26.38" x 20.67" x 7.87" (670mm x 525mm x 200mm)
Gross Weight	14.9 lb. (6.8Kg)
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	21.5" TFT-LCD, LED
Max Resolution	1920 x 1080
Max. Colors	16.7M colors
Luminance	250 cd/m²
Viewing Angle	178° (H) ; 178° (V)
Back Light	LED
Back Light MTBF (Hours)	50,000 Hrs
Touchscreen	
Type	P-CAP/ 5-wire resistive
Light Transmission	P-CAP (≥85%), 5-wire Resistive (80% ± 3%)

Dimension

Unit: mm



Packing List

- Phoenix Power Connector
- OMNI-2215-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-2215HTT-ADP-A1-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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-2215HTT-ADP-A2-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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-2215HTT-ADP-A3-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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-2215HTT-ADP-A5-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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-2215HTT-ADP-A6-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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-2215HTT-ADP-A7-1010	21.5" TFT LCD	1920 x 1080	250 cd/m ²	178°(H)/178°(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