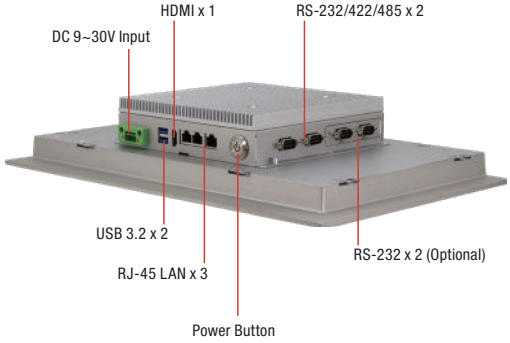
OMNI-2155-ADN

15.6” Modular HMI Panel PC With Intel® Processor N-series Processors

Front View

Top View

Bottom View



Features

- 15.6” (1920 x 1080)/(1366 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

Gigo LAN · HDMI · DDR 5 · USB 3.2 · USB 2.0 · Full-size · Wide Voltage

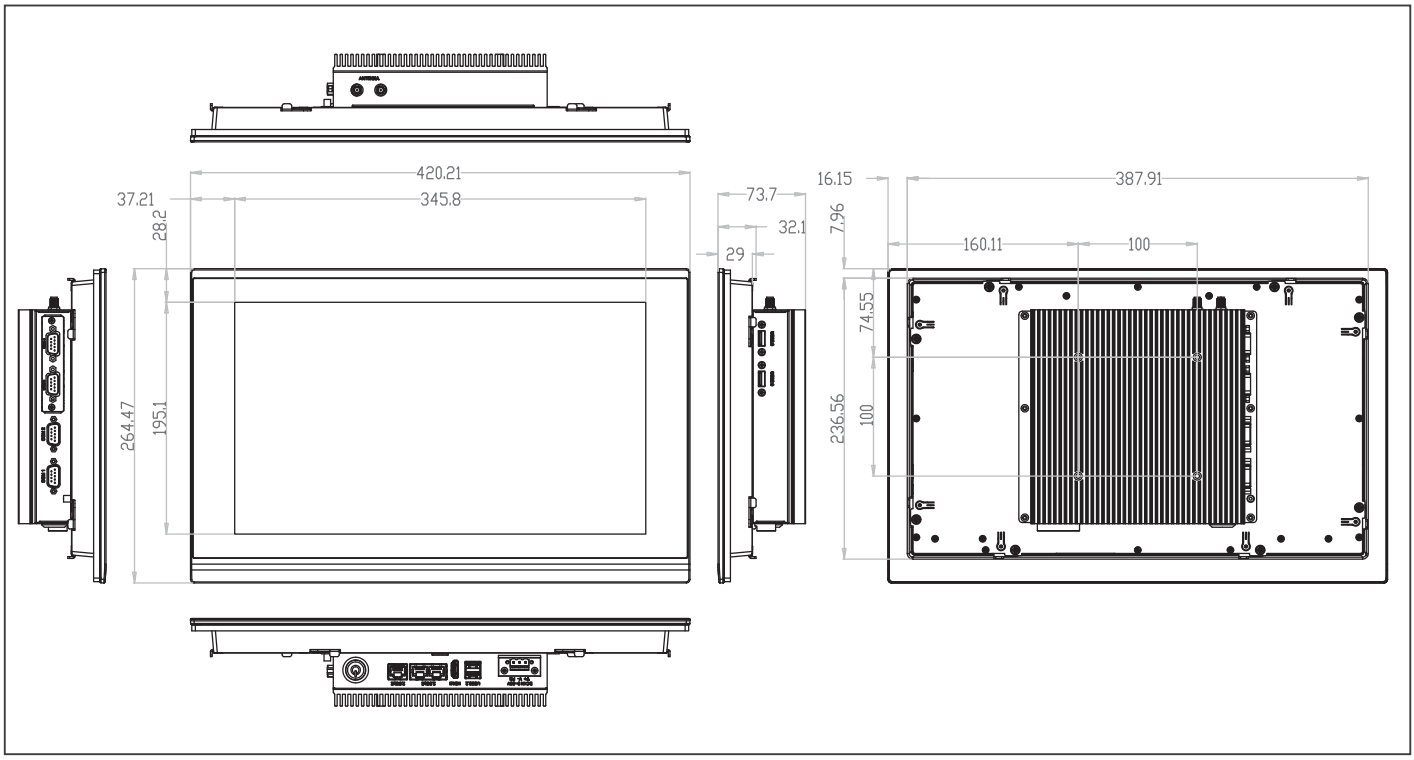
Specifications

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 via Cables 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	16.5” x 10.4” x 2.9” (420mm x 264mm x 73mm)
Carton Dimension	20.9” x 17.5” x 7.9” (530mm x 445mm x 200mm)
Gross Weight	11.7 lb. (5.3Kg)
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	15.6" TFT-LCD, LED
Max Resolution	Regular 1366 (H) x 768 (V) Full HD 1920 (H) x 1080 (V)
Max. Colors	Regular :16.7M (8 bit/color) Full HD: 16.2M
Luminance	Regular: 400 cd/m² Full HD: 450 cd/m²
Viewing Angle	Regular: 170° (H); 130° (V) Full HD: 178° (H); 178° (V)
Back Light	LED
Back Light MTBF (Hours)	50,000
Touchscreen	
Type	Projected Capacitive Multi-Touch
Light Transmission	90%

Note: All specifications are subject to change without notice.

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-2155HTT-ADN-A1-1010	15.6" TFT LCD	1366 x 768	400 cd/m²	170° (H) / 130°(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-2155HTT-ADN-A2-1010	15.6" TFT LCD	1366 x 768	400 cd/m²	170° (H) / 130°(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-2155HDT-ADN-A1-1010	15.6" TFT LCD	1920 x 1080	450 cd/m²	178° (H) / 178°(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-2155HDT-ADN-A2-1010	15.6" TFT LCD	1920 x 1080	450 cd/m²	178° (H) / 178°(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-2155-ADN**
- **Screws**

Optional Accessories

- **AP-0T9789LA1000**
  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