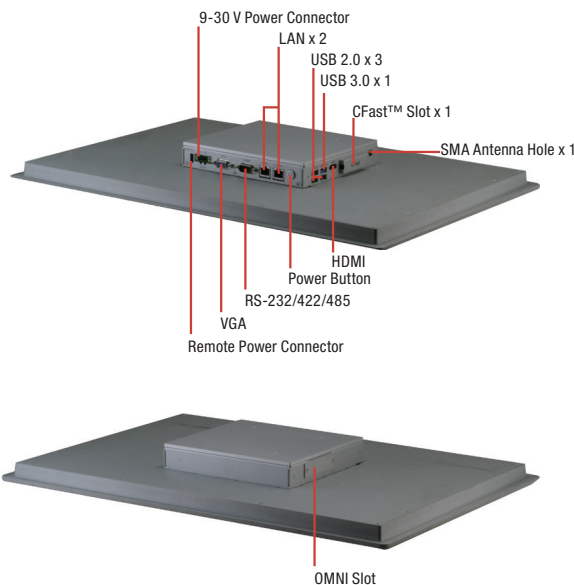
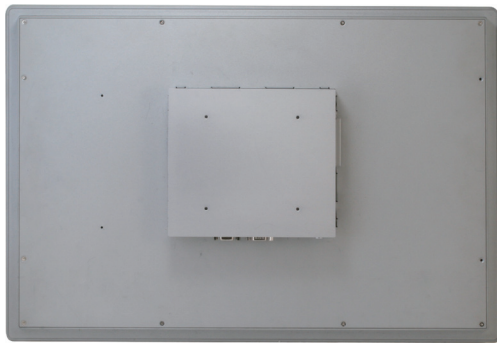


21.5" Modular HMI Panel PC with Intel® Celeron® J1900/ N2807 Processor



Features

- 21.5" FHD (1920 x 1080) Color TFT LCD Display
- Intel® N2807/J1900 Processor
- P-CAP or Resistive Touch Screen Support
- Multiple Touchscreen
- Aluminum Design
- IP65 Compliant Front Bezel
- Fanless Operation
- Power Input Protection: Over-Voltage Protection, Low-Voltage Protection, Reverse-Voltage Protection
- Easily Expandable I/O by AAEON OMNI I/O Modules

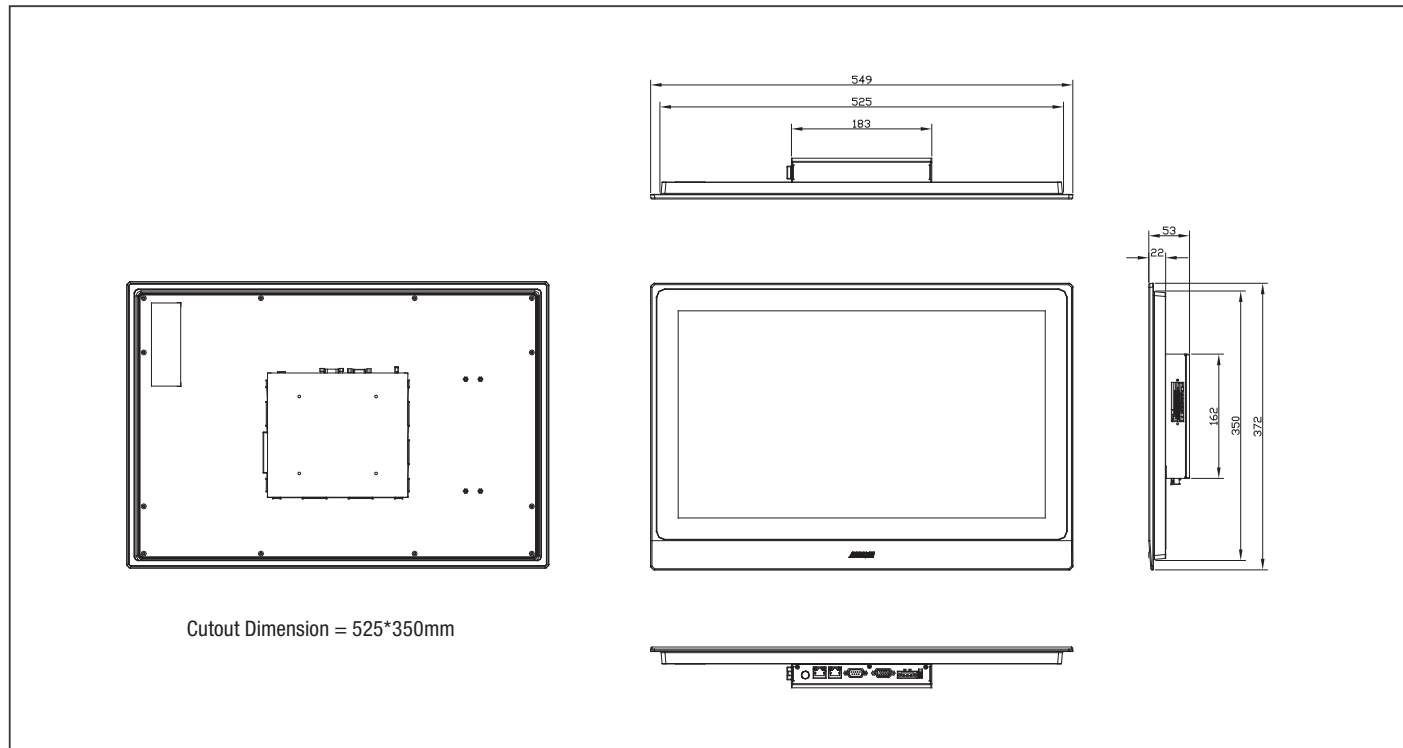


Specifications

| System | |
|-------------------------|---|
| Processor | Intel® Celeron® J1900, 2.0 GHz/ N2807, 1.58 GHz |
| System Memory | 204-pin DDR3L 1333MHz SODIMM x 1, up to 8 GB (J1900), 4 GB (N2807) |
| LCD/CRT Controller | Integrated in processor |
| Ethernet | 10/100/1000Base-TX, RJ-45 x 2 |
| I/O Port | USB Type A x 1 for USB 3.0, USB Type A x 3 for USB 2.0 SMA antenna hole x 1, HDMI x 1 CFast™ x 1, DB-9 for RS-232/422/485 x 1 RJ-45 x 2 for 10/100/1000Base-TX DB-15 x 1 for VGA 3-pin terminal block x 1 for 9~30 V DC power input LED Power On/Off Switch x 1 (Power on = orange, Power off =N/A) |
| Storage Disk Drive | CFast™ x 1, 2.5" SATA HDD bay x 1 |
| Expansion Slot | Full size Mini-Card x 2, OMNI I/O Connector x 1, SIM x 2 |
| OS support | Windows® 7, Windows® 8.1, Windows® 10, Linux kernel 2.6.3 or higher |
| Mechanical | |
| Construction | Aluminum front bezel + metal chassis |
| Mounting | VESA 100/ Panel mount |
| Dimension | 21.65" x 14.69" x 2.1" (550mm x 373mm x 53mm) |
| Carton Dimension | 26.38" x 7.87" x 20.67" (670mm x 200mm x 525mm) |
| Gross Weight | 19.6 lb (8.9 Kg) |
| Environmental | |
| Operating Temperature | -4°F ~ 140°F (-20°C ~ 60°C) with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14, CPU: N2807) -4°F ~ 131°F (-20°C ~ 55°C) with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14, CPU: J1900) |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) |
| Storage Humidity | 90% @40°C, non-condensing |
| Vibration | 1 Grms/ 5~ 500Hz/ operation – with HDD |
| Shock | — |
| EMC | CE/FCC class A |
| Power Supply | |
| DC input | DC 9 (min.) ~ 30 (max.) V w/ 3-pin terminal block, ATX Power function |
| LCD | |
| Display Type | 21.5" TFT-LCD, LED |
| Max Resolution | 1920 x 1080 |
| Max. Colors | 16.7M colors (RGB 8-bit) |
| Luminance | 250 cd/m ² |
| Viewing Angle | 178° (H), 178° (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 Dimension = 525*350mm

Ordering Information

| | Part Number | Display Type | Max Resolution | Luminance | View Angle | CPU | LAN | USB 3.0 | USB 2.0 | RS-232/422/485 | Storage | RAM | Display | Internal Expansion | Mounting | Power | Operating Temp. | Touch | OMNI I/O Module Support |
|-------------|--------------------------|---------------|----------------|-----------------------|--------------------|------------------------------|-----|---------|---------|----------------|---------------------------------|-------------------|---------------------|---------------------------|-----------------------|----------|-------------------------|----------------------|-------------------------|
| Panel PC | OMNI-2215HTT-BT-A1-1012 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | Intel® Celeron® J1900, 2 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 8 GB | VGA x 1 HDMI x 1 | Mini-Card x 2 (Full Size) | VESA 100/ Panel mount | DC 9-30V | -10°C~55°C with airflow | 5-wire Resistive | Yes |
| | OMNI-2215HTT-BT-A2-1012 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | Intel® N2807, 1.58 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 4 GB | VGA x 1 HDMI x 1 | | VESA 100/ Panel mount | DC 9-30V | -10°C~60°C with airflow | 5-wire Resistive | Yes |
| | OMNI-2215HTT-BT-A3-1013 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | Intel® Celeron® J1900, 2 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 8 GB | VGA x 1 HDMI x 1 | | VESA 100/ Panel mount | DC 9-30V | -10°C~55°C with airflow | Projected capacitive | Yes |
| | OMNI-2215HTT-BT-A4-1013 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | Intel® N2807, 1.58 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 4 GB | VGA x 1 HDMI x 1 | | VESA 100/ Panel mount | DC 9-30V | -10°C~60°C with airflow | Projected capacitive | Yes |
| Panel Kit | OMNI-221DHTT-KIT-A1-1012 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | — | — | — | — | — | — | — | — | — | — | — | -10°C~60°C with airflow | 5-wire Resistive | No |
| | OMNI-221DHTT-KIT-A2-1013 | 21.5" TFT LCD | 1920 x 1080 | 250 cd/m ² | 178°(H) 178°(V) | — | — | — | — | — | — | — | — | — | — | — | -10°C~60°C with airflow | Projected capacitive | No |
| CPU Box Kit | OMNI-BT-KIT-A1-1010 | — | — | — | — | Intel® Celeron® J1900, 2 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 8 GB | VGA x 1 HDMI x 1 | Mini-Card x 2 (Full Size) | VESA 100/ Panel mount | DC 9-30V | -10°C~55°C with airflow | — | Yes |
| | OMNI-BT-KIT-A2-1010 | — | — | — | — | Intel® N2807, 1.58 GHz | 2 | 1 | 3 | 1 | CFast™ x 1 2.5" SATA HDD x 1 | DDR3L, up to 4 GB | VGA x 1 HDMI x 1 | Mini-Card x 2 (Full Size) | VESA 100/ Panel mount | DC 9-30V | -10°C~60°C with airflow | — | Yes |

Note: * RAM not included

Packing List

- Phoenix Power Connector
- Product DVD
- OMNI-2215-BT

Optional Accessories

- AP-0T9789LA1000
LCD Monitor Stand 230mm, LA-100
- 1702031802
Power Cord (US Type)
- 1702031803
Power Cord (European Type)
- 170203180E
Power Cord (Japanese Type)
- 1255900841
12V 84W Power Adapter w/ 3pin Terminal Block
- 1700021500
Remote Switch Cable, 150 cm

OMNI Module (With AAEON Interface)

- 9741215501
Mini Card x 2, SIM x 2 Module
- 9741215502
Dual LAN Module
- 9741215506
DIO Module
- 9741215508
Audio Module
- 9741215510
HMS Kit (Europe Limitation)
- 9741215512
Wifi 802.11/b/g/n Module
- 9741215513
RS-485/422/232 x 2 Module
- 9741215515
USB/ COM/ LAN Module
- 9741215516
RS-485/422/232 x 4 Module
- 9741215517
Isolation RS-485/422/232 x 4 Module
- 9741215518
RS-485/422/232 x 2, DIO x 16 Module

Wide Temperature DRAM

- 9761215500
2GB Wide Temperature DRAM (-40°C ~ 95°C)
- 9761215501
4GB Wide Temperature DRAM (-40°C ~ 95°C)
- 9761215502
8GB Wide Temperature DRAM (-40°C ~ 95°C)

**Users should select the wide temperature DRAM above and use wide temperature storage devices if the OMNI panel pc is to be operated at over 40°C.