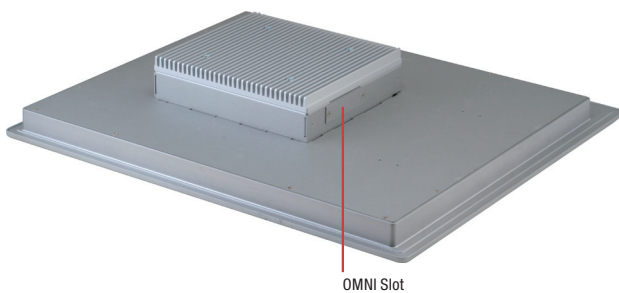
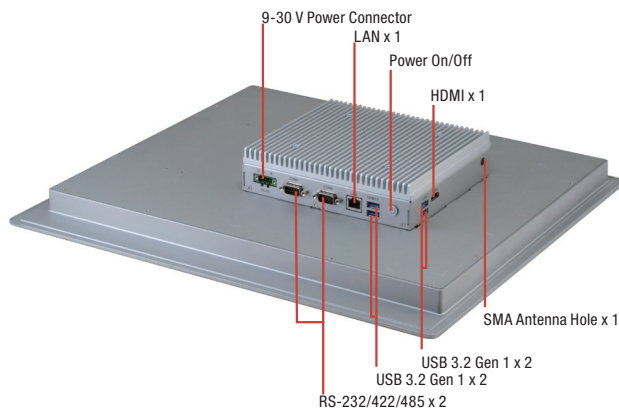


# OMNI-3195-SKU

19" Modular HMI Panel PC with 6th Generation Intel® Core™ i5-6300U/C-3955U Processor



## Features

- 19" (1280 x 1024) TFT LCD Display
- Intel® 6th Generation i5-6300U/C-3955U Processor
- P-CAP or Resistive Touch Screen Support
- Aluminum Design
- IP65 Compliant Front Bezel
- Fanless Operation
- Easily Expandable I/O by AAEON OMNI I/O Modules

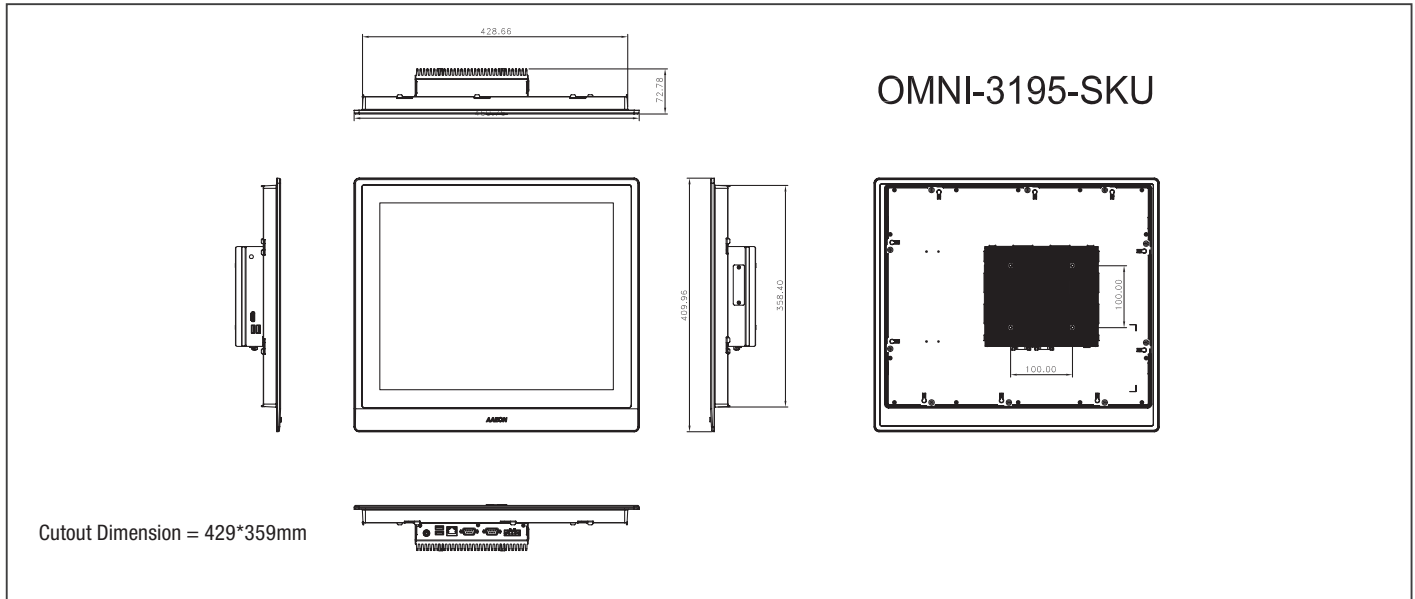


## Specifications

| System                  |   |
|-------------------------|---|
| Processor               | Intel® i5-6300U processor, 2.4 GHz<br>Intel® Celeron® 3955U processor, 2.0 GHz  |
| System Memory           | 260-pin DDR4 SODIMM x 1, up to 16 GB  |
| LCD/CRT Controller      | Integrated in processor   |
| Ethernet                | Intel® I211, 10/100/1000 Base-TX x 1  |
| I/O Port                | USB 3.2 Gen 1 Type A x 4<br>SMA Antenna hole x 1<br>HDMI x 1<br>DB-9 Type RS-232/422/485 x 2<br>RJ-45 Type 10/100/1000Base-TX x 1<br>3-pin terminal block x1 for 9~30 Vdc power input<br>LED Power on/off switch x1 (Power on = Orange, Power off =N/A) |
| Storage Disk Drive      | 2.5" SATA HDD bay x 1   |
| Expansion Slot          | Full Size Mini card x 1<br>SIM card x 1<br>OMNI I/O connector x 1   |
| OS support              | Windows® 8.1, Windows® 10 (64 bit), Linux kernel 2.6.x or higher  |
| Mechanical              |   |
| Construction            | Aluminum design (IP65 Front Frame)  |
| Mounting                | VESA 100 / Panel Mount  |
| Dimension               | 18.14" x 16.14" x 2.83" (460.8mm x 410mm x 72 mm)   |
| Carton Dimension        | 26.02" x 8.11" x 19.53" (661mm x 206mm x 496mm)   |
| Gross Weight            | 20.06 lb (9.1 kg)   |
| Environmental           |   |
| Operating Temperature   | -4°F ~ 131°F (-20°C ~ 55°C) with 0.5 m/s airflow (Industrial Grade HDD)   |
| 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                   | 15 G peak acceleration (11 msec. duration) – with HDD   |
| 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            | 17" TFT-LCD, LED  |
| Max Resolution          | 1280 (H) x 1024 (V)   |
| Max. Colors             | 16.7M colors (RGB 6-bits + Hi-FRC data)   |
| Luminance               | 350 cd/m <sup>2</sup>   |
| Viewing Angle           | 170 (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 3.2 Gen 1 | RS-232/422/485 | Storage           | RAM              | Display  | Internal Expansion        | Mounting              | Power    | Operating Temp.         | Touch                | OMNI I/O Module Support |
|-------------|--------------------------|--------------|----------------|-----------------------|-----------------|------------------------------|-----|---------------|----------------|-------------------|------------------|----------|---------------------------|-----------------------|----------|-------------------------|----------------------|-------------------------|
| Panel PC    | OMNI-3195HTT-SKU-A1-1111 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | Intel® i5-6300U, 2.4 GHz     | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | 5-wire Resistive     | Yes                     |
|             | OMNI-3195HTT-SKU-A2-1111 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | Intel® Celeron® 3955U, 2 GHz | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | 5-wire Resistive     | Yes                     |
|             | OMNI-3195HTT-SKU-A3-1110 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | Intel® i5-6300U, 2.4 GHz     | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | Projected capacitive | Yes                     |
|             | OMNI-3195HTT-SKU-A4-1110 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | Intel® Celeron® 3955U, 2 GHz | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | Projected capacitive | Yes                     |
| Panel Kit   | OMNI-319DHTT-KIT-A1-1012 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | —                            | —   | —             | —              | —                 | —                | —        | —                         | —                     | —        | -20°C~55°C with airflow | 5-wire Resistive     | No                      |
|             | OMNI-319DHTT-KIT-A2-1011 | 19" TFT LCD  | 1280 x 1024    | 350 cd/m <sup>2</sup> | 170°(H) 160°(V) | —                            | —   | —             | —              | —                 | —                | —        | —                         | —                     | —        | -20°C~55°C with airflow | Projected capacitive | No                      |
| CPU BOX Kit | OMNI-SKU-KIT-A1-1110     | —            | —              | —                     | —               | Intel® i5-6300U, 2.4 GHz     | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | —                    | Yes                     |
|             | OMNI-SKU-KIT-A2-1110     | —            | —              | —                     | —               | Intel® Celeron® 3955U, 2 GHz | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | VESA 100/ Panel mount | DC 9~30V | -20°C~55°C with airflow | —                    | Yes                     |
|             | OMNI-SKU-KIT-A3-1110     | —            | —              | —                     | —               | Intel® i7-6600U Processor    | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | Wall mount            | DC 9~30V | -20°C~55°C with airflow | —                    | Yes                     |
|             | OMNI-SKU-KIT-A4-1110     | —            | —              | —                     | —               | Intel® i3-6100U Processor    | 1   | 4             | 2              | 2.5" SATA HDD x 1 | DDR4, up to 16GB | HDMI x 1 | Mini-Card x 1 (Full Size) | Wall mount            | DC 9~30V | -20°C~55°C with airflow | —                    | Yes                     |

Note: 1. AAEON OMNI Modular display kit only workable for OMNI-BOX Kit 2. RAM not included

## Packing List

- Phoenix Power Connector
- OMNI-3195-SKU

## Optional Accessories

- AP-OT9789LA1000  
LCD Monitor Stand 230mm, LA-100
- 1702031802  
Power Cord (US Type)
- 1702031803  
Power Cord (European Type)
- 170203180E  
Power Cord (Japanese Type)
- 1255900849  
12V 84W Power Adapter w/ 3pin Terminal Block

## 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

- AP-DR968D4004G9  
4GB Wide Temperature DRAM (-40°C ~ 85°C)
  - AP-DR968D4008GA  
8GB Wide Temperature DRAM (-40°C ~ 85°C)
  - AP-DR968D4016G7  
16GB Wide Temperature DRAM (-40°C ~ 85°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.