

03 OMNI-BT CPU BOX Kit

OMNI Series Modules- CPU BOX Kit



Features

- Intel® N2807/J1900 Processor
- Aluminum Design
- Fanless Operation
- Easily Expandable I/O by AAEON OMNI I/O Modules



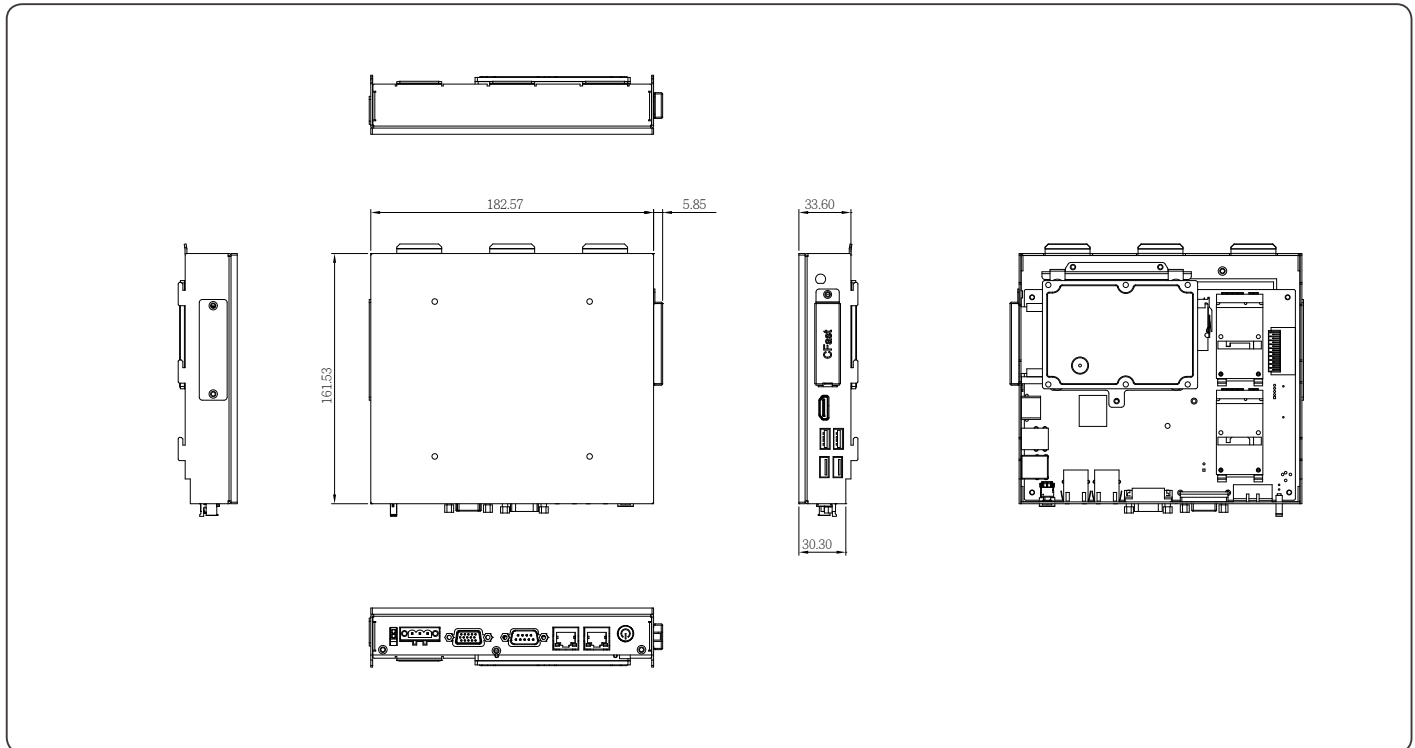
Specifications

System	
Processor	Intel® N2807 processor, 1.58 GHz Intel® J1900 processor, 2 GHz
System Memory	204-pin DDR3L 1333MHz SODIMM x 1, up to 8 GB, (J1900) 204-pin DDR3L 1333MHz SODIMM x 1, up to 4 GB, (N2807)
LCD CRT Controller	Integrated in processor
Ethernet	Intel® I211, 10/100/1000Base-TX x 2
I/O Port	USB 2.0 type A x 3 USB 3.0 type A x 1 SMA Antenna hole x 1 HDMI x 1 CFAST x 1 DB-9 Type 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 Vdc 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	Mini card x 2 (Testing Compatibility Only) SIM card x 2 PCIe X 1 connector (AAEON PIN Define)
OS Support	Window® 7, Window® 8, Window® 10, Linux Kernal 2.6.x or above
Construction	Aluminum design IP65 Supported by OMNI Series Panel Kit.
Mounting	Wall/VESA Mount/Desktop (Optional panel mount kits)
Dimension	183 x 162 x 28 mm
Gross Weight	1.8 kg
Operating Temperature	-10°C ~ 55°C (J1900) -10°C ~ 60°C (N2807) with 0.5 m/s airflow (CF & HDD)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	90% @40°C; non-condensing
Anti Vibration	1 Grms/ 5~ 500Hz/ operation – with HDD
Certification	CE/FCC class A
DC Input	DC 9(min) ~ 30 (max) V w/3-pin terminal block, ATX Power function
Display Type	Supported by OMNI Series Panel Kit: TFT-LCD, LED
Max Resolution	Differentiated from OMNI series Panel Kit: Panel Size from 10.4" ~ 21.5"
Max Colors	Differentiated from OMNI series Panel Kit: Panel Size from 10.4" ~ 21.5"
Luminance	Differentiated from OMNI series Panel Kit: Panel Size from 10.4" ~ 21.5"
Viewing Angle	Differentiated from OMNI series Panel Kit: Panel Size from 10.4" ~ 21.5"
Back Light	Supported by OMNI series Panel Kit: LED
Type	Supported by OMNI series Panel Kit: P-CAP/ 5-wire resistive
Light Transmission	Differentiated from OMNI series Panel Kit: Panel Size from 10.4" ~ 21.5"

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Dimension

Unit: mm



Ordering Information

Part Number	Display Type	Max Resolution	Luminance	View Angle	CPU	LAN	USB 3.0	USB 2.0	RS-232	RS-232/422/485	Storage	RAM	Display	Expansion	Mounting	Power	Operating Temp.	Touch
OMNI-BT-KIT-A1-1010	—	—	—	—	Intel® J1900, 2 GHz	2	1	3	—	1	CFast™ x 1 2.5" SATA HDD x 1	DDR3L, up to 8 GB	VGA x 1	Mini-Card x 2 (Full Size) OMNI Module	VESA 100/ Panel mount	DC 9~30V	-10°C~55°C with airflow	—
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 8 GB	VGA x 1	Mini-Card x 2 (Full Size) OMNI Module	VESA 100/ Panel mount	DC 9~30V	-10°C~60°C with airflow	—

Packing List

- Phoenix Power Connector
- Product DVD

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)
- **1255901202**
19V 120W Power Adapter w/ 3p phoenix block
- **1700021500**
Remote Switch Cable, 150 cm

OMNI Module (with AAEON Interface)

- **9741215501**
WiFi & SIM Card Module (Mini-Card WiFi Module is not included)
- **9741215502**
Dual LAN Module
- **9741215503**
USB / COM / LAN Module
- **9741215504**
COM Port Module
- **9741215505**
Isolated COM Port module
- **9741215506**
DIO Module
- **9741215507**
CAN Bus Module
- **9741215508**
Audio Module
- **9741215510**
HMS Kit
- **9741215511**
COM x 4, DIO x16 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.