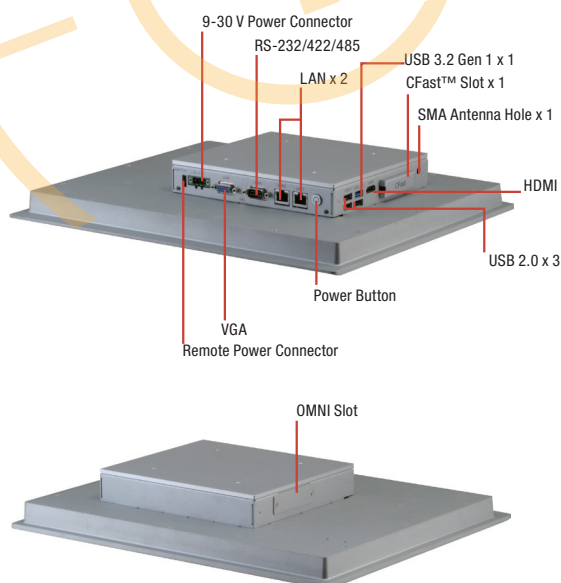


OMNI-3155-BT

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



Features

- 15" (1024 x 768) TFT LCD Display
- Intel® N2807/J1900 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

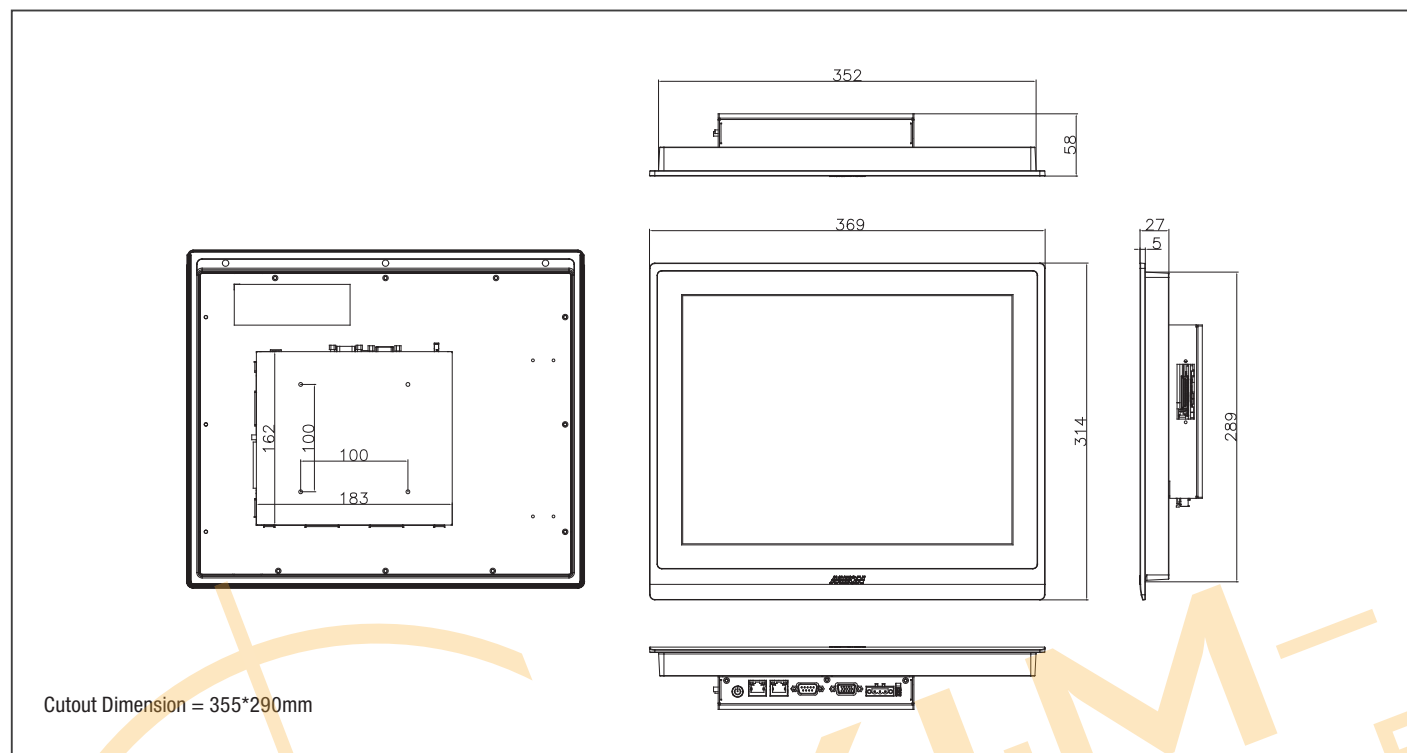


Specifications

System	
Processor	Intel® N2807 processor, 1.58 GHz Intel® Celeron® 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, 10/100/1000 Base-TX x 2
I/O Port	USB 2.0 Type A x 3 USB 3.2 Gen 1 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 Type for 10/100/1000Base-TX x 2 DB-15 x 1 for VGA 3-pin terminal block x1 for 9~30 Vdc power input LED Power on/off switch x1 (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, SIM card x 1, OMNI I/O connector x 1
OS support	Windows® 7, Windows® 8, Windows® 10, Linux kernel 2.6.x or higher
Mechanical	
Construction	Aluminum design (IP65 Front Frame)
Mounting	VESA 100 / Panel Mount
Dimension	14.53" x 12.36" x 2.28" (369 mm x 314 mm x 58 mm)
Carton Dimension	20.08" x 9.84" x 18.11" (510mm x 250mm x 460mm)
Gross Weight	13.97 lb (6.35 kg)
Environmental	
Operating Temperature	14°F ~ 131°F (-10°C ~ 55°C) (J1900), 14°F ~ 140°F (-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
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	15" TFT-LCD, LED
Max Resolution	1024 (H) x 768 (V)
Max. Colors	16.2M (8bit/color)
Luminance	300 cd/m²
Viewing Angle	176° (H), 176° (V)
Back Light	LED
Back Light MTBF (Hours)	70,000
Touchscreen	
Type	P-CAP/ 5-wire resistive
Light Transmission	P-CAP (90%± 2%), 5-wire Resistive (80% ± 2%)

Dimension

Unit: mm

**Ordering Information**

	Part Number	Display Type	Max Resolution	Luminance	View Angle	CPU	LAN	USB 3.2 Gen 1	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-3155HTT-BT-A1-1013	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (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	5-wire Resistive	Yes
	OMNI-3155HTT-BT-A2-1013	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (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-3155HTT-BT-A3-1013	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (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	Projected capacitive	Yes
	OMNI-3155HTT-BT-A4-1013	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (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-315DHTT-KIT-A1-1012	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (V)	—	—	—	—	—	—	—	—	—	—	—	-10°C~60°C with airflow	5-wire Resistive	No
	OMNI-315DHTT-KIT-A2-1012	15" TFT LCD	1024 x 768	300 cd/m ²	176° (H), 176° (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
- OMNI-3155-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)
- **1255900849**
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.

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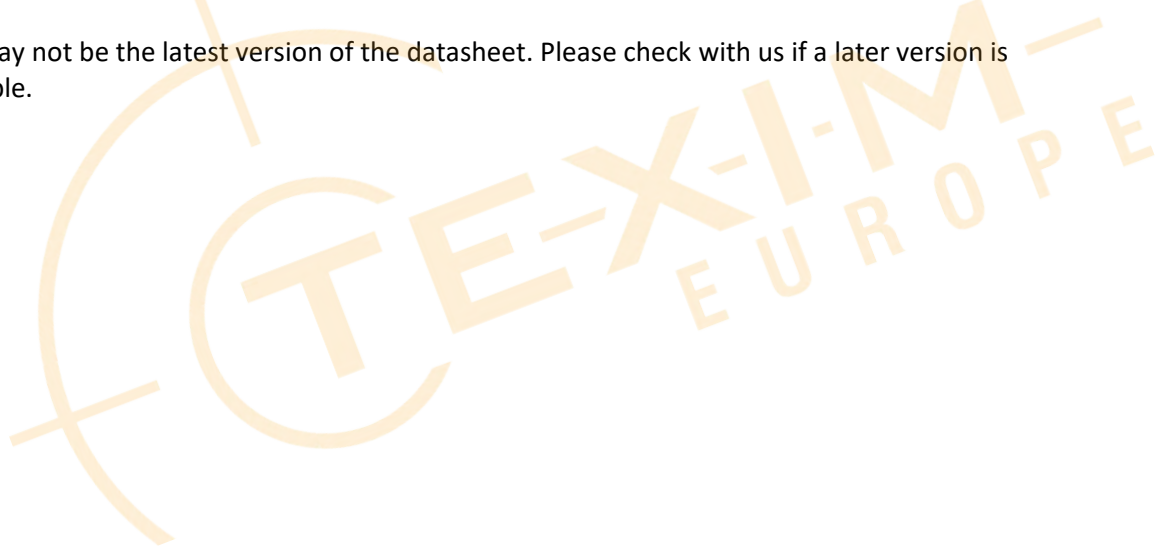
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Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





Headquarters & Warehouse

Elektrostraat 17
NL-7483 PG Haaksbergen
The Netherlands

T: +31 (0)53 573 33 33
E: info@texim-europe.com
Homepage: www.texim-europe.com



The Netherlands

Elektrostraat 17
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33
E: nl@texim-europe.com



Belgium

Zuiderlaan 14, box 10
B-1731 Zellik

T: +32 (0)2 462 01 00
E: belgium@texim-europe.com



UK & Ireland

St Mary's House, Church Lane
Carlton Le Moorland
Lincoln LN5 9HS

T: +44 (0)1522 789 555
E: uk@texim-europe.com



Germany

Bahnhofstrasse 92
D-25451 Quickborn

T: +49 (0)4106 627 07-0
E: germany@texim-europe.com



Germany

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: muenchen@texim-europe.com



Austria

Warwitzstrasse 9
A-5020 Salzburg

T: +43 (0)662 216 026
E: austria@texim-europe.com



Nordic

Stockholmsgade 45
2100 Copenhagen

T: +45 88 20 26 30
E: nordic@texim-europe.com



Italy

Martin-Kollar-Strasse 9
D-81829 München

T: +49 (0)89 436 086-0
E: italy@texim-europe.com