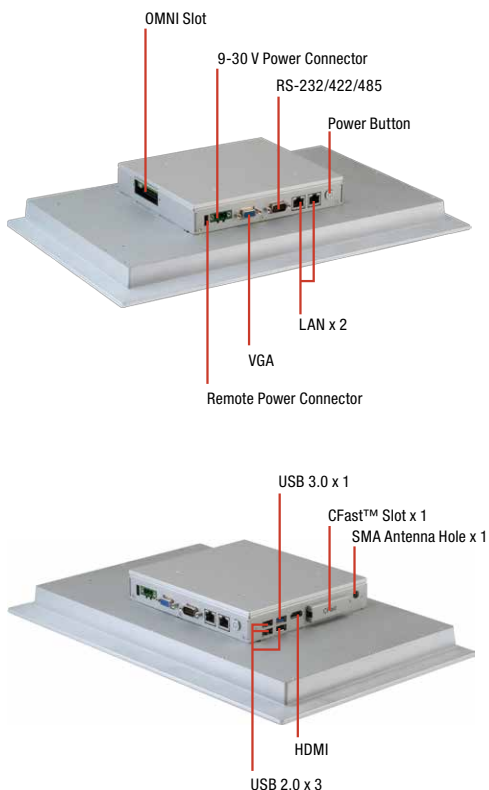


OMNI-2155

15.6" Expandable HMI Panel Computer with Intel® Celeron® J1900/ N2807 Processor



Features

- Flat Surface Design with P-ACP and Resistive Touch
- Compact BOX Design with -20°C ~ 60°C Operating Range
- Easy to Customization with OMNI-Module



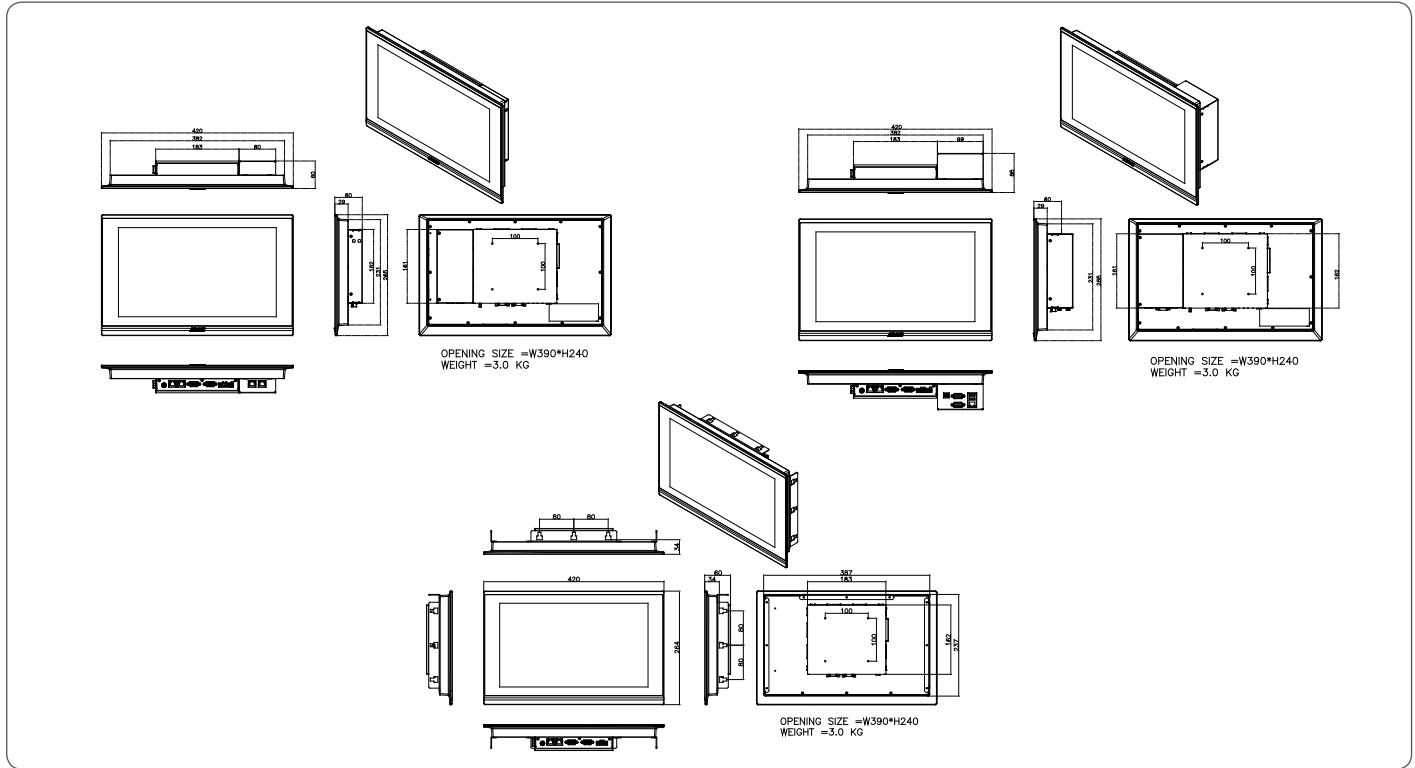
Specifications

System	
Processor	Intel® Celeron® J1900 ,2 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 10/100/1000 base-T DB-15 x 1 for VGA 3-pin terminal block x 1 for 9~30 V DC power input LED Power on/off switch x1 (Power on = Orange, Power off =N/A)
Storage Disk Drive	CFast Socket x 1 SATA 2.5" HDD bay x 1
Expansion Slot	Mini card x 2 (Full Size)
OS support	Windows® 7, WES 7, Windows® 8, Linux Kernel 2.6.x or above
Mechanical	
Construction	Aluminum front bezel + Metal chassis
Mounting	VESA 100/ Panel Mount
Dimension (mm)	420 mm x 265 mm x 60 mm
Gross Weight	3 kg
Environmental	
Operating Temperature	-20°C~60°C with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14, CPU: N2807) -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
Anti-Vibration	1 grms/ 5 ~ 500 Hz/ Operation (HDD)
Anti-Shock	15 G peak acceleration (11 msec. duration)
EMC	CE/FCC Class A
Power Supply	
DC input	DC 9 ~ 30 V
LCD	
Display type	15.6" TFT-LCD, LED backlight
Max Resolution	1366 x 768
Max. Colors	16.7M colors (8-bit for R,G,B)
Luminance	400 cd/m ²
Viewing Angle	160°(H), 140°(V)
Back Light MTBF (Hours)	50,000
Touchscreen	
Type	P-CAP / 5-Wireless resistive

OMNI-2155

Dimension

Unit: mm



Ordering Information

Part Number	Display Type	Resolution	View Angle	Backlight MTBF (Hours)	CPU	LAN	USB	RS-232/422/485	Stogare	RAM	Display	Expansion	Mounting	Power	Temp.	Touch
OMNI-2155HTT-A1-1010	15.6" TFT LCD	1366 x 768	170°(H), 160°(V)	50,000	Intel® Celeron® J1900, 2 GHz	2	4	1	CFast™ Socket x 1 (Easy-to-swap) SATA 2.5" HDD bay x 1	—	VGA x 1 HDMI x 1	Mini card x 2 (Full Size)	Panel Mount / VESA	DC 9-30V	-20°C~55°C with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14)	5 Wire Resistive
OMNI-2155HTT-A2-1010	15.6" TFT LCD	1366 x 768	170°(H), 160°(V)	50,000	Intel® Celeron® N2807, 1.58 GHz	2	4	1	CFast™ Socket x 1 (Easy-to-swap) SATA 2.5" HDD bay x 1	—	VGA x 1 HDMI x 1	Mini card x 2 (Full Size)	Panel Mount / VESA	DC 9-30V	-20°C~60°C with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14)	5 Wire Resistive
OMNI-2155HTT-A3-1010 (Coming Soon)	15.6" TFT LCD	1366 x 768	170°(H), 160°(V)	50,000	Intel® Celeron® J1900, 2 GHz	2	4	1	CFast™ Socket x 1 (Easy-to-swap) SATA 2.5" HDD bay x 1	—	VGA x 1 HDMI x 1	Mini card x 2 (Full Size)	Panel Mount / VESA	DC 9-30V	-20°C~55°C with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14)	P-CAP
OMNI-2155HTT-A4-1010 (Coming Soon)	15.6" TFT LCD	1366 x 768	170°(H), 160°(V)	50,000	Intel® Celeron® N2807, 1.58 GHz	2	4	1	CFast™ Socket x 1 (Easy-to-swap) SATA 2.5" HDD bay x 1	—	VGA x 1 HDMI x 1	Mini card x 2 (Full Size)	Panel Mount / VESA	DC 9-30V	-20°C~60°C with industrial grade device (with 0.5 m/s air flow, according to IEC68-2-14)	P-CAP

Packing List

- Phoenix Power Connector
- Product DVD
- OMNI-2155

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)
- **1757908401**
12V 84W Power Adapter w/ 3pin Terminal Block
- **9741215509**
Panel Mount Kit
- **1700021500**
Remote Switch Cable, 150Cm

OMNI Module

- **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**
Isolation COM Port module
- **9741215506**
DIO Module
- **9741215507**
CAN Bus Module
- **9741215508**
Audio 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 wide temperature DRAM above and use wide temperature storage device if OMNI-2155 is operating over 40°C.

WiFi & SIM Card Module

mini PCIe slot x 2, for OMNI PPC only (wireless mini card module isn't included)



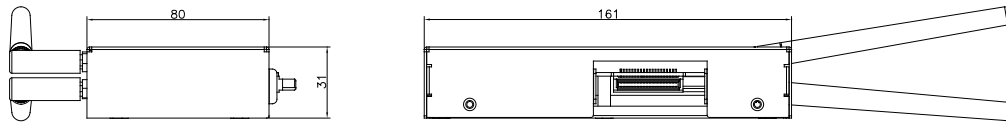
Features

- Mini Card Slots x 2
- SIM Card Slots x 2

Ordering Information

- 9741215501
WiFi & SIM Card Module (wireless mini card module isn't included)

Dimension



Dual LAN Module

Giga LAN x 2, for OMNI PPC only



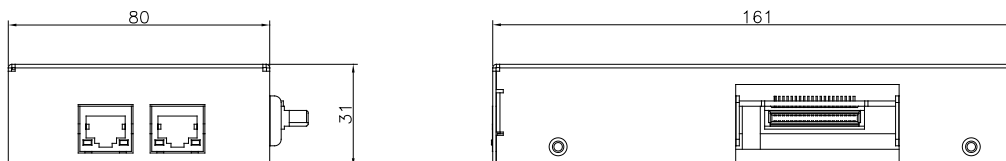
Features

- Giga LAN x 2

Ordering Information

- 9741215502
Dual LAN Module

Dimension



USB/COM/LAN Module

USB 2.0 x 2, RS-232/422/485 x 2, Giga LAN x 1, for OMNI PPC only



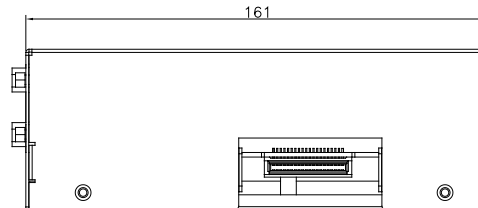
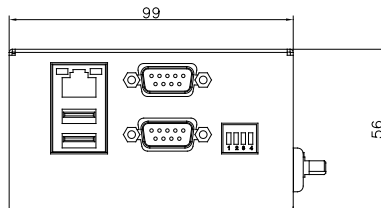
Features

- USB 2.0 x 2
- RS-232/422/485 x 2 (Selection by external switch)
- Giga LAN x 1

Ordering Information

- 9741215503
USB/COM/LAN Module

Dimension



COM Module

RS-232/422/485 x 4, for OMNI PPC only



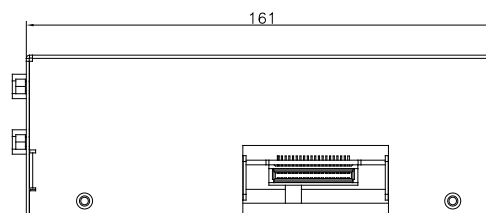
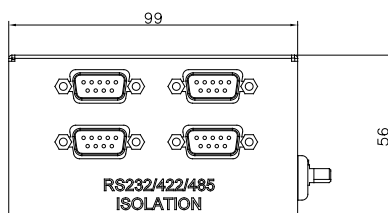
Features

- RS-232/422/485
- Selection by jumper

Ordering Information

- 9741215504
COM Module

Dimension



Isolation COM Module

Isolated RS-232/422/485 x 4, for OMNI PPC only



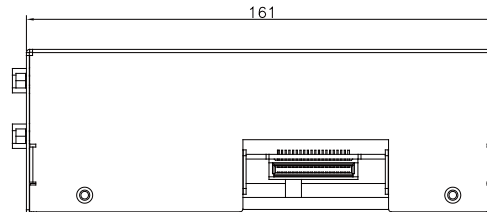
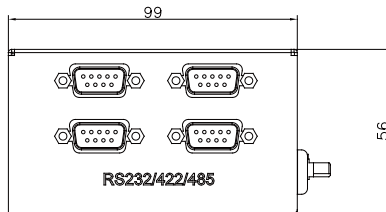
Features

- Isolation RS-232/422/485 x 4
- 2K VDC Isolation
- Selection by Jumper

Ordering Information

- 9741215505
Isolation COM Module

Dimension



DIO Module

DIO without Isolation x 8, for OMNI PPC only



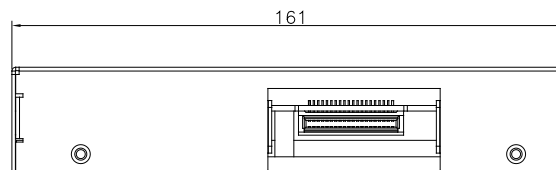
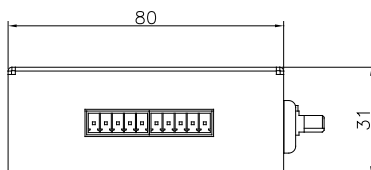
Features

- DIO x 8

Ordering Information

- 9741215506
DIO Module

Dimension



CAN Bus Module

CAN Bus with isolation, for OMNI PPC only



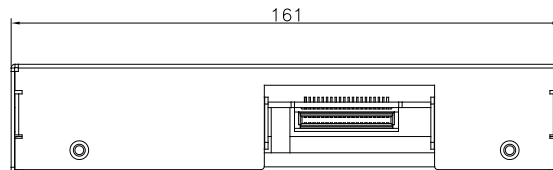
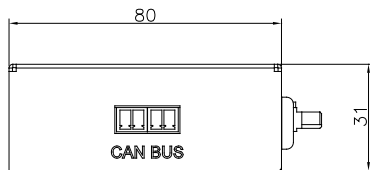
Features

- CAN Bus with Phoenix connectors
- 2K VDC Isolation

Ordering Information

- 9741215507
CAN Bus Module

Dimension



Audio Module

MIC-In x 1, Line-out x 1, for OMNI PPC only



Features

- Mic in
- Line out

Ordering Information

- 9741215508
Audio Module

Dimension

