



# APOLLO PM390CW

Intel® Apollo Lake Fanless Embedded Computers / Stackable configuration Computer for CPU board & PCIe Backplanes / Flexibility I/O / expansion PCIe x 4, PCIe x 1

## ■ Features:

- Intel® Apollo Lake N4200 / N3350 / E3950 SoC CPU
- 1 x DDR3L SODIMM socket, Max. 8GB
- Multiple Independent display: HDMI & VGA
- 2 x Intel GbE LAN, 2 x USB 3.0, 2 x USB 2.0, 3 x COM
- 2 x Mini PCIe, M.2, 1 x SIM, PCIe x 4 + PCI x 1 Signal

## ■ Specifications :

|                              |   |
|------------------------------|---|
| Motherboard                  | PM390CW   |
| CPU                          | Intel® Apollo Lake N4200 / N3350 / E3950 SoC CPU  |
| Chipset                      | Intel® Apollo Lake SoC  |
| Memory                       | 1 x DDR3L SODIMM socket, Max. 8GB   |
| Storage                      | mSATA, M.2, HDD / SSD*  |
| Expansion slots              | 1 x Full-size Mini PCIe (PCIe / USB)<br>1 x Full-size Mini PCIe (PCIe / mSATA / USB)  |
| I/O ports                    | Network      2 x Intel GbE<br>USB            2 x USB 3.0 ; 2 x USB 2.0<br>Serial ports   3 x RS232 / 422 / 485<br>Display        1 x VGA, 1 x HDMI<br>PCIe slot      2 x PCIe slots via BPM002 backplanes |
| Optional Modules & Accessory | GPS, Bluetooth, PoE, WiFi, 4G LTE, Isolated COM, battery UPS, DI/DO, Video Input, *SATA Kit, Wall Mount Kit   |
| OEM IO Function              | Audio, LAN, USB, DIO  |
| OS Support                   | Windows 10, Linux   |

## ■ Mechanical

|            |                         |
|------------|-------------------------|
| Dimensions | 200W x 121.5D x 173H mm |
| Weight     | 4.09 kg                 |
| Mounting   | Wall Mount*             |

## ■ Power

|          |  |
|----------|--|
| DC input | +9V~36V                                  |
| AC input | External adapter 100 / 240V<br>AC-DC 60W |

## ■ Environment

|                                      |                                |
|--------------------------------------|--------------------------------|
| Operating Temp.<br>(100 % CPU usage) | -20°C to +60°C (Atom x7 E3950) |
|                                      | -20°C to +60°C (Celeron N3350) |
|                                      | -20°C to +60°C (Pentium N4200) |

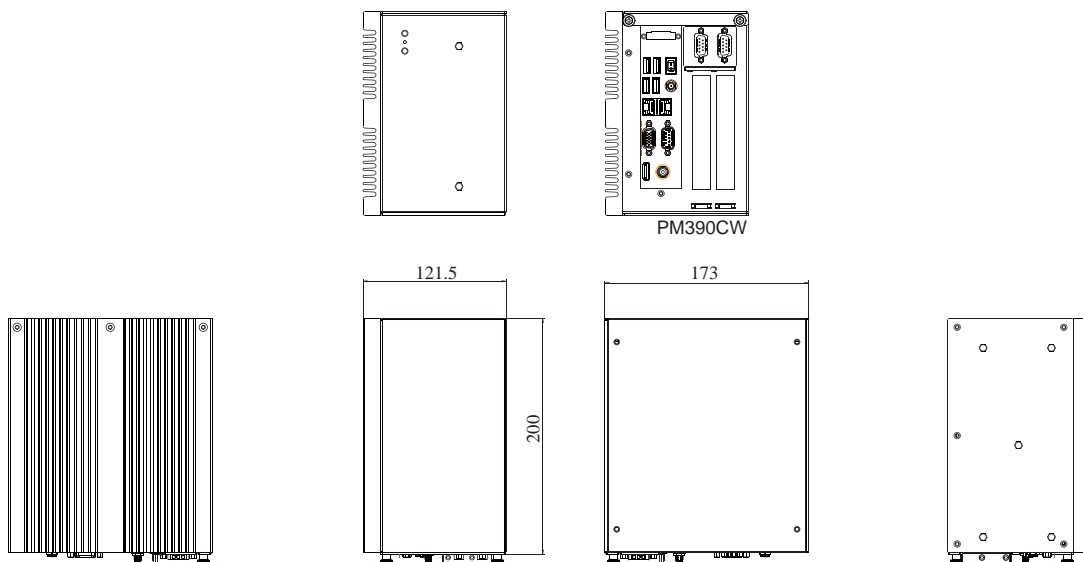
|               |                |
|---------------|----------------|
| Storage Temp. | -20°C to +70°C |
|---------------|----------------|

|                   |                            |
|-------------------|----------------------------|
| Relative Humidity | 95% @ 40°C, non-condensing |
|-------------------|----------------------------|

## ■ Certification

CE / FCC class A

## ■ Dimension



Specification are subject to change without prior notice. ODM / OEM is available.