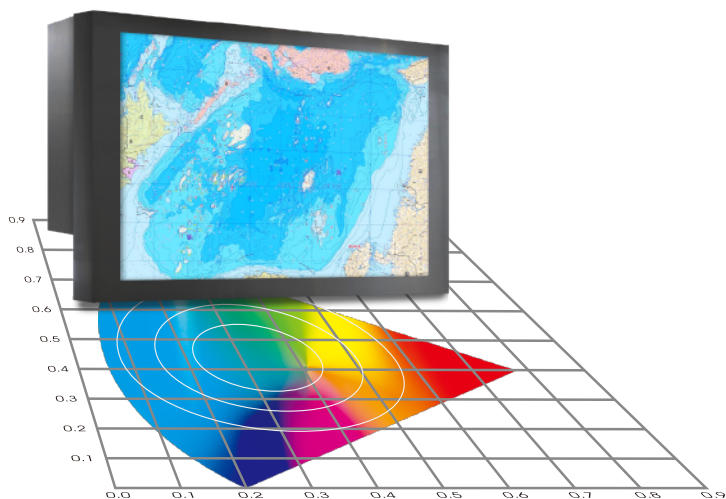


# MR-PCH22051-WMA0L0

Marine Chassis Panel PC, 22", 1680 x 1050, support, Intel® Core i3 / i5 / i7 and Intel® Atom Baytrial

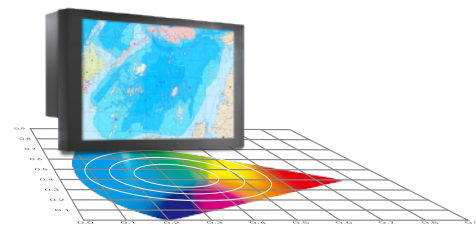
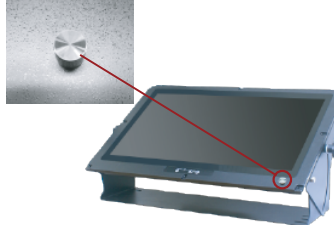


## Features

- Housing with powder coating, IP65 front, IP54 rear
- Color calibration to meet the ECDIS display standard (IEC 61174) is available by request. Support mode Date / Dusk / Night.
- 9~36VDC wide voltage input (Isolated DC-DC voltage regulator built-in) or Option of AC Version (90-260V , 50/60 Hz, auto-sensing )
- Conformal Coating
- Anti-Shock and Vibration enhanced
- Option with stand / VR knob / ECDIS Function

| Boards              | Model                      | CB0J07                                                  | CB0J08                                          |
|---------------------|----------------------------|---------------------------------------------------------|-------------------------------------------------|
| Systems             | System                     | Intel® Atom Baytrial                                    | Intel® Core i3 / i5 / i7 Processors             |
|                     | System / Graphic Chipset   | Intel® Gen7 Intel Graphics DX 11*, OGL3.2               | Intel® HD Graphics (By CPU); Shared Memory      |
|                     | System Memory              | Dual Channel DDR3 1333 MHz SDRAM, Max up to 8GB         | 2 x DDR3 1333/1600MHz SO-DIMM Slot (up to 16GB) |
|                     | HDD                        | 2 x SATA                                                | 2 x SATA                                        |
|                     | I/O port                   | 1 x VGA, 1 x HDMI                                       | 1 x VGA, 1 x HDMI                               |
|                     |                            | 2 x USB 2.0, 2 x USB 3.0                                | 2 x USB 2.0, 4 x USB 3.0                        |
|                     |                            | 3 x COM (RS232/422/485)                                 | 1 x COM (RS232)                                 |
| Panel               | Expansion                  |                                                         |                                                 |
|                     | 1 x Mini PCI-e             |                                                         |                                                 |
|                     | Cell Type / Glass Surface  | TFT LCD / Black Anti-Glare, low reflection coating      |                                                 |
|                     | Aspect Ratio / Size        | Wide / 22" viewable diagonal area                       |                                                 |
|                     | Active Area / Pixel Pitch  | 473.8(H) x 296.1(V) mm / 0.282(H) x 0.282(V) mm         |                                                 |
|                     | Native Resolution / Colors | 1680(H) x 1050(V) / 16.7M                               |                                                 |
|                     | Brightness / Contrast      | 1000 cd/m <sup>2</sup> (typ) / 1000 : 1                 |                                                 |
| Power               | Response Time              | ≤ 5 ms                                                  |                                                 |
|                     | Viewing Angle (typical)    | H.170° (- 85° ~ + 85°) , V. 160°(- 80° ~ + 80°)         |                                                 |
|                     | Light Source               | LED backlight, Long life, 35,000 hrs (typ)              |                                                 |
| Operating Condition | Power Input                | 70 Watt, <1 Watt                                        |                                                 |
|                     | Power Consumption          | 9-19V DC-In (4-pin ATX PWR Con) / ATX PWR (24+4 pin)    |                                                 |
| Dimensions          | Temperature / Humidity     | 0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation) |                                                 |
| Options             | Physical                   | Please refer to Drawing                                 |                                                 |
|                     | Carton                     | W x H x D = TBD                                         |                                                 |

| Options | Touch            | Video                | Enhanced Panel           | Others                       |
|---------|------------------|----------------------|--------------------------|------------------------------|
|         | Resistive touch  | SV + AV              | Panel with LED backlight | Digital Signage(Stand alone) |
|         | Capacitive touch | SV + AV + AV_Looping | High brightness panel    | Networking Digital Signage   |
|         | SAW touch        | SV + AV              | Wide Temperature         | Motion Sensor                |
|         | Infrared touch   |                      | Sunlight Readable        | Light Sensor                 |
|         | Protected glass  |                      |                          | Auto-Dimming                 |

| Options | ECDIS                                                                               | Stand                                                                                | VR Knob                                                                               |
|---------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|         |  |  |  |