



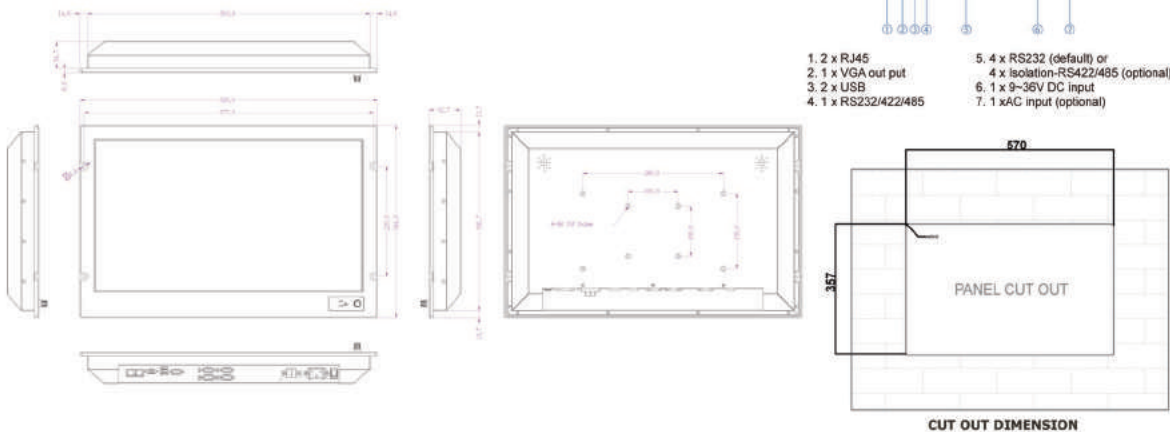
# MCP-241

## 24" MARINE CERTIFIED PANEL PC



### Feature

- 24" Full HD 1920 x 1080 TFT LCD
- Intel® Atom Dual Core N2600 1.6GHz / D2550 1.86 GHz Processor (Optional)
- 1 x SO-DIMM, max. 4GB DDR3 800/1066
- 4 x Isolated RS422/485 (optional)
- Integrated Dual Broadcom BCM57780 GbE Controller
- Isolated Power Module



1. 2 x RJ45
2. 1 x VGA out port
3. 2 x USB
4. 1 x RS232/422/485
5. 4 x RS232 (default) or 4 x Isolation-RS422/485 (optional)
6. 1 x 9~36V DC input
7. 1 x AC input (optional)

\* Note: this is a simplified drawing and some components are not marked in detail. \*Please contact our sales representative if you need further product information.

#### TFT Characteristics :

|                     |                                |
|---------------------|--------------------------------|
| Pixel Number        | : 1920 x 1080                  |
| Pixel Pitch(R&B)    | : 0.276 (H) x 0.276 (V) mm     |
| Contrast Ratio      | : 5000:1(typ.)                 |
| Light Intensity     | : 250 cd/m <sup>2</sup> (typ.) |
| Viewable Angle      | : -89 ~ 89(H) ; -89~89(H)      |
| Active Display Area | : 531.36 (H) x 298.89 (V) mm   |
| Max Colors          | : 16.7 (M) / 8 bit / colors    |

#### SBC Specifications :

|                 |  |
|-----------------|--|
| Processor       | : Intel® Atom Dual Core N2600 1.6GHz / D2550 1.86 GHz (Optional) |
| BIOS            | : AMI 4Mbit Flash  |
| System Chipset  | : Intel® NM10 express chipset                                    |
| Memory Slot     | : 1 x DDR3 800/1066MHz SODIMM,(Max 4GB)                          |
| Graphic Chipset | : Intel® Graphic Accelerator 3650                                |
| Storage         | : 1 x SATA2, 1 x Mini PCIe slot (mSATA SSD)                      |
| Ethernet        | : 2x RJ-45(1000 Gigabit Ethernet Compatible)                     |
| VGA             | : 1x VGA Connector   |
| Audio           | : Realtek ALC886 HD Audio Codec                                  |
| USB Ports       | : 6 x USB 2.0 (4 x USB by pin-header)                            |
| Serial Ports    | : 4 x RS232, 1 x RS232/422/485                                   |

#### Power Specifications :

|                      |   |
|----------------------|---|
| Power Supply Options | : 9 to 36 V DC power supply with Terminal block (Default) |
| Power Consumption    | : 100 W typical, normal operation                         |

#### Mechanical and Environmental

|                       |  |
|-----------------------|--|
| Mechanical Mounting   | : Panel (Flush) mount with IP66*, VESA |
| Operating Temperature | : -15 to 55 deg.C                      |
| Operating Humidity    | : 5% to 95%(non condensing)            |
| Anti-Vibration        | : 5Hz~500Hz / 1Grms / 3 Axis           |
| Anti-Shock            | : 15G,11ms duration                    |

#### Input / Output Connectors

|                |  |
|----------------|--|
| Ethernet LAN   | : 2 x RJ45-10/100/1000 Mbps                                    |
| COM            | : 1 x RS232/422/485  |
| Expansion slot | : 4 x RS232 (default) or 4 x Isolated RS422/485 COM (optional) |
| USB            | : 2 x USB Type-A receptable                                    |
| VGA output     | : 1 x VGA 15P D-SUB (female)                                   |
| DC Power       | : 1 x DC Terminal block  |

#### Available Options

|                         |  |
|-------------------------|--|
| Touch Screen Options    | : 5 Wire Resistive                     |
| AR Safety Glass Options | : 3mm Anti-reflective protection glass |
| Secondary SSD           | : up to 256 GB mSATA SSD               |

#### Certification and Approvals

- CE, FCC, DNV2.4, IEC60945, IACS-E10

Note: All specifications are subject to change without prior notice.