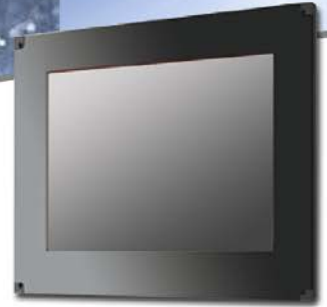


# Front IP65 Flush Mount Dust and Waterproof LCD



Front IP65 Flush Mount 10.4" LCD monitor, 1024 x 768, LED 450 nits,  
VGA input, WV(178°/178°) and WT(-30~70°C)  
(Model: EFM1040AWVT-IP)



**All  
Weather**



**Water Jets  
Protected**



**Extended  
Temperature**



**Vibration  
Safeguards**



**Shock  
Safeguards**



**Low  
Power**

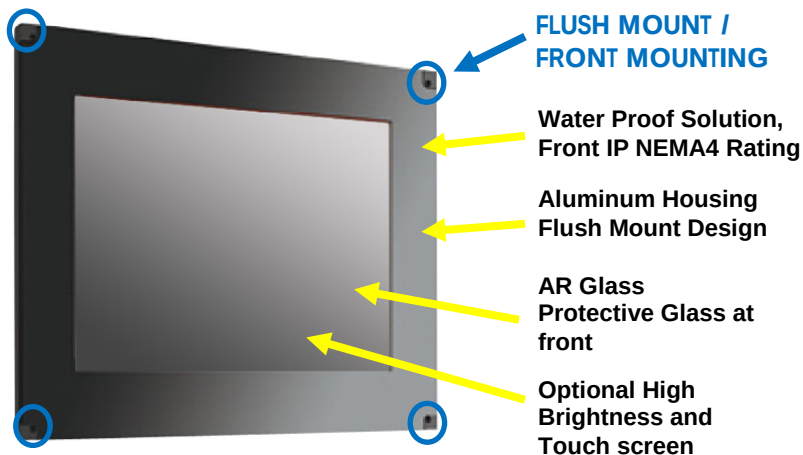


**Wide  
Viewing**

## Features:

- Modular mechanism design provides flexible product configuration and easy maintenance.
- Optional to built-in touch screen for interactive application.
- Available with auto-brightness sensor offers application in day and night.
- IP65 Compliant
- Able to protect against water jets
- Complete custom design/solution for OEM customers

## Rugged Completely Sealed IP65/NEMA4 Flush Mount LCD Monitor



\* All Connectors are facing downward



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## Specification:

|                     |                                                                                             |                                                            |                                                         |
|---------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|
| Panel               | Cell Type / Glass Surface                                                                   | TFT LCD / Black Anti-Glare, low refection coating          |                                                         |
|                     | Aspect Ratio / Size                                                                         | 4 : 3 / 10.4" viewable diagonal area                       |                                                         |
|                     | Active Area / Pixel Pitch                                                                   | 210.4(H) x 157.8(V) mm / 0.2055(H) x 0.2055(V) mm          |                                                         |
|                     | Native Resolution / Colors                                                                  | 1024(H) x 768(V) / 16.2 M                                  |                                                         |
|                     | Brightness / Contrast                                                                       | 450 cd/m <sup>2</sup> (typ) / 1000 : 1                     |                                                         |
|                     | Response Time                                                                               | ≤ 25 ms                                                    |                                                         |
|                     | Viewing Angle (typical)                                                                     | H. 178o (- 89o ~ + 89o) , V. 178o(- 89o ~ + 89o)           |                                                         |
|                     | Light Source                                                                                | LED backlight, Long life, 35,000 hrs (typ)                 |                                                         |
| Input Sources       | PC System                                                                                   | Signal                                                     | Analog RGB (0.7/1.0 V <sub>p-p</sub> , 75 ohms)         |
|                     |                                                                                             | Sync                                                       | Separate Sync, Composite Sync, Sync On Green            |
|                     |                                                                                             | Frequency                                                  | F <sub>h</sub> : 30 - 82Khz , F <sub>v</sub> : 50 -75Hz |
|                     | Audio System                                                                                | 2W speaker x 2                                             |                                                         |
| Input Terminals     | 1 x VGA (15 Pin Female D-Sub) , 1 x PC Audio (Stereo Headphone Jack) , 1 x DC Power Plug    |                                                            |                                                         |
| Convenient Features | Auto Calibration , Back Light Adjustment , Plug&Play (VESA DDC/CI, DDC 2B)                  |                                                            |                                                         |
|                     | OSD Multi-Languages , Wall Mount Ready (VESA Dimension - please refer to Drawing)           |                                                            |                                                         |
| Power               | External AC-to-12VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz |                                                            |                                                         |
| Power Consumption   | Operation / Power Saving                                                                    | 17.5 watt , < 2 watt (Support DPMS)                        |                                                         |
| Operating Condition | Temperature / Humidity                                                                      | -30°C ~ 70°C (-22°F ~ 158°F) , 10% ~ 90% (no condensation) |                                                         |
| Storage Condition   | Temperature / Humidity                                                                      | -30°C ~ 80°C (-22°F ~ 176°F) , 10% ~ 90% (no condensation) |                                                         |
| Certification       |                                                                                             | FCC , CE                                                   |                                                         |
| Dimensions          | Physical                                                                                    | Please refer to Drawing                                    |                                                         |
|                     | Carton                                                                                      | W x H x D = TBD                                            |                                                         |
| Weight              | N.W. / G.W.                                                                                 | 3.5 Kgs / 4.5 Kgs                                          |                                                         |
| Container Loaded    | 20ft / 40ft / 40ft HQ                                                                       | TBD (Sets , By pallet)                                     |                                                         |

| <b>Options</b> | Touch            | Video / TV           | 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 + TV         | Wide Temperature         | Motion Sensor                |
|                | Infrared touch   |                      | Sunlight Readable        | Light Sensor                 |
|                | Protected glass  |                      |                          | Auto-Dimming                 |

## Applications:

- Automation
- Batch Processing
- Commercial Broadcast Operations
- Man Machine Interface (MMI) Operation
- Electronic Flight Bag (EFB)
- Food Processing
- GPS Mapping Systems
- Inspection Systems

## LCD Options:

**LED Backlight Options**

Introducing LED backlight options for monitors for energy efficiency and a brighter screen.

**VIDEO Input Options:**

For Video inputs options:

DVI, DVI+HDMI, SVideo+AV, SVideo+AV+DVI, AV+Looping, DVI+AV+Looping, HD-SDI, BNC(PAL/NTSC)

**Optical Bonding Options**

- Optical Bonding provides the best reduction of ambient light washout of any commercially available enhancement technology.
- Optical Bonding has a lower cost than most other competing technologies.
- Optical Bonding offers superior ruggedization, enhancing the display durability under vibration, shock and other environmental extremes.

**RS-232 Remote Control Options**

**Remote Control Protocol: Command Code to set system**

**9-36V DC Input Options**

iTech offers a selection of DC input from 9V to 36V

**Light Sensor and Motion Sensor Options**

iTech LCD offers Light and Motion Sensor

**Privacy Filter**

Front Glass Options:

- Anti Reflective AR Glass 3mm
- Anti Reflective AR Glass 6mm Vandal-Resistance
- Anti Reflective AR Glass 8mm Vandal-Resistance
- Anti Glare AG Glass 3mm