

Zero Bezel Chassis, 10.1" LCD Monitor  
1280 x 800, LED 1000 nits, VGA input, wide view angle and wide temperature

Model: ECHW1010XHBWTWV-i7-F



## FEATURES:

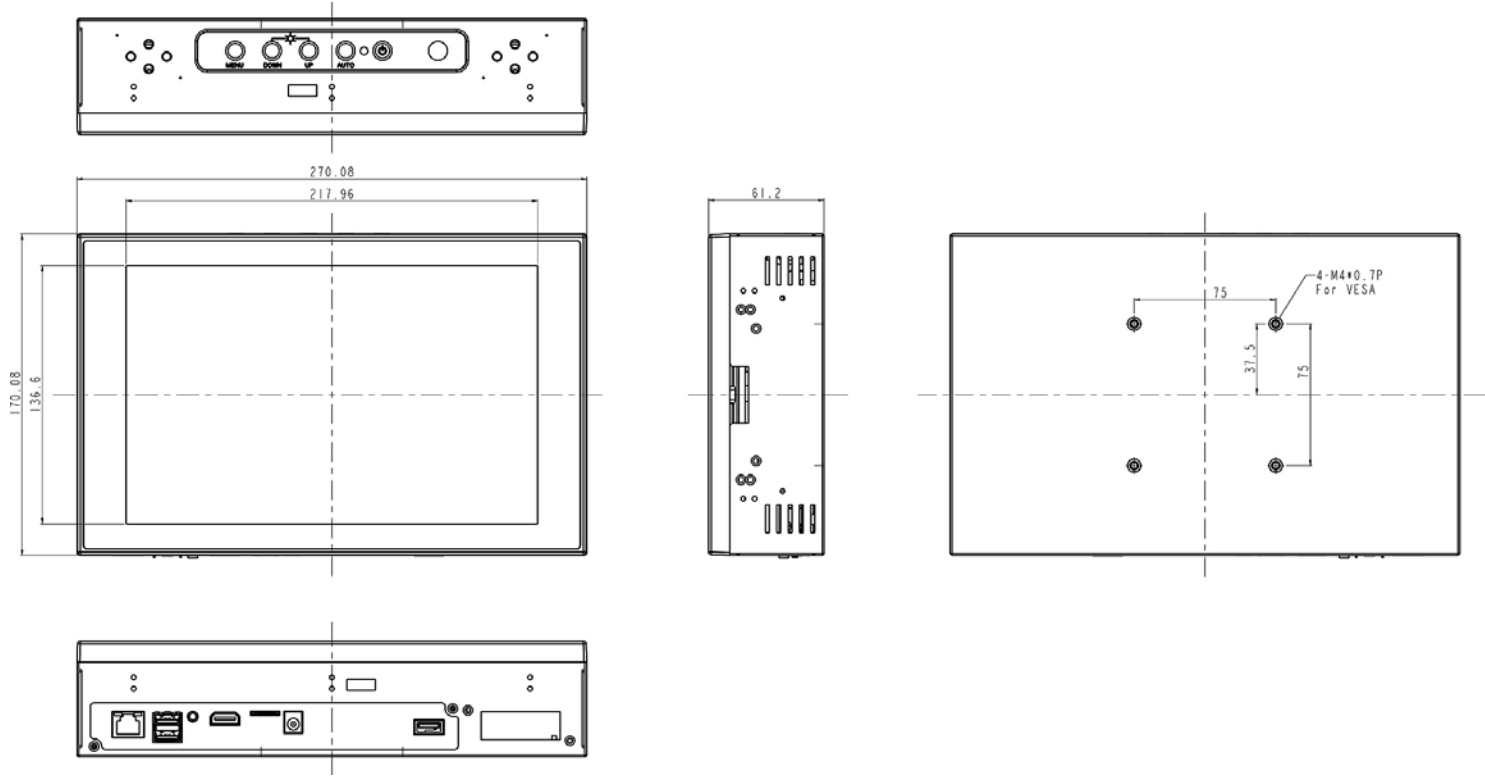
- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel® Core i7 Processors
- Intel® 8th Gen (Whiskey lake-U)
- Supports Dual Channel DDR4 SO-DIMM 2400 MHz, up to 32GB
- 2 x Display Port, 4 x USB, 2 x LAN

## SPECIFICATIONS:

|                            |                            |  |
|----------------------------|----------------------------|--|
| <b>Panel</b>               | Cell Type / Glass Surface  | TFT LCD / Black Anti-Glare, low reflection coating         |
|                            | Aspect Ratio / Size        | Wide / 10.1" viewable diagonal area                        |
|                            | Active Area / Pixel Pitch  | 216.96(H) x 135.6(V) mm / 0.1695(H) x 0.1695(V) mm         |
|                            | Native Resolution / Colors | 1280(H) x 800(V) / 262 K                                   |
|                            | Brightness / Contrast      | 1000 cd/m <sup>2</sup> (typ) / 800 : 1                     |
|                            | Response Time              | < 16 ms  |
|                            | Viewing Angle (typical)    | H. 160° (- 80° ~ + 80°) , V. 160° (- 80° ~ + 80°)          |
|                            | Light Source               | LED backlight, Long life, 35,000 hrs (typ)                 |
| <b>System</b>              | CPU                        | Intel® Core i3 / i5 / i7 Processors                        |
|                            | BIOS                       | Intel® 8th Gen (Whiskey lake-U) Core™ MCP Processors       |
|                            | System / Graphic Chipset   | SoC  |
|                            | System Memory              | Supports Dual Channel DDR4 SO-DIMM 2400 MHz, up to 32GB    |
|                            | HDD                        | 2 x SATA   |
|                            | I/O port                   | 2 x Display port   |
|                            |                            | 4 x USB 3.0  |
| 2 x LAN                    |                            |  |
| Expansion                  | 1 x Power                  |  |
| <b>Power</b>               | Power Input                | 12V DC-IN (Lockable connector)                             |
|                            | Power Consumption          | 51 Watt, <1 Watt   |
| <b>Operating Condition</b> | Temperature / Humidity     | -20°C ~ 60°C (- 4°F ~ 140°F) , 10% ~ 90% (no condensation) |
| <b>Dimensions</b>          | Physical                   | Please refer to Drawing                                    |
|                            | Carton                     | W x H x D = TBD  |

| Options | 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                 |

MECHANICAL DRAWING:



**LCD OPTIONS:**



**LED Backlight Options**

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



**TouchScreen Options**

Our LCD has a wide selection option to choose which touchscreen technology suits for you.

|                        | Four-Wire Resistive  | Five-Wire Resistive  | Pen Touch  | Capacitive   | Surface Wave(Saw)  | Infrared Touch (Ir)  |
|------------------------|--|--|--|--|--|--|
| PRODUCT SIZE           | 1.7" - 24"   | 10.4" - 24"  | 15" - 19"  | 12" - 24"  | 10.4" - 30"  | 10.4" - 42"  |
| TOUCH LIFE             | 1 - 2 million touches  | 30 - 35million touches   | 100 million touches  | 100 million touches  | 50 million touches   | Long-term reliability  |
| SCRATCH RESISTANCE     | Hard Coated  | Hard Coated  | Hard Coated (SiO <sup>2</sup> )  | Hard Coated (SiO <sup>2</sup> )  | Glass Overlay<br>Moh's hardness rating of 7                                | Glass Overlay<br>Moh's hardness rating of 7                                |
| CONTAMINANT RESISTANCE | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers | Resists moisture, dirt, vinegar, ammonia based food products and cleansers |
| INPUT METHOD           | Finger, Gloved Hand, Stylus  | Finger, Gloved Hand, Stylus  | Stylus Pen   | Finger   | Finger, Gloved Hand, Soft pliable stylus                                   | Finger, Gloved Hand, Stylus  |
| CONTROLLER             | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   | USB, RS232   |



**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

