

Zero Bezel Chassis, 7" LCD Monitor, 1024 x 600  
LED 350 nits, VGA input  
with PCAP Touch

Model: ECHW0700WT-J-FPCT



## FEATURES:

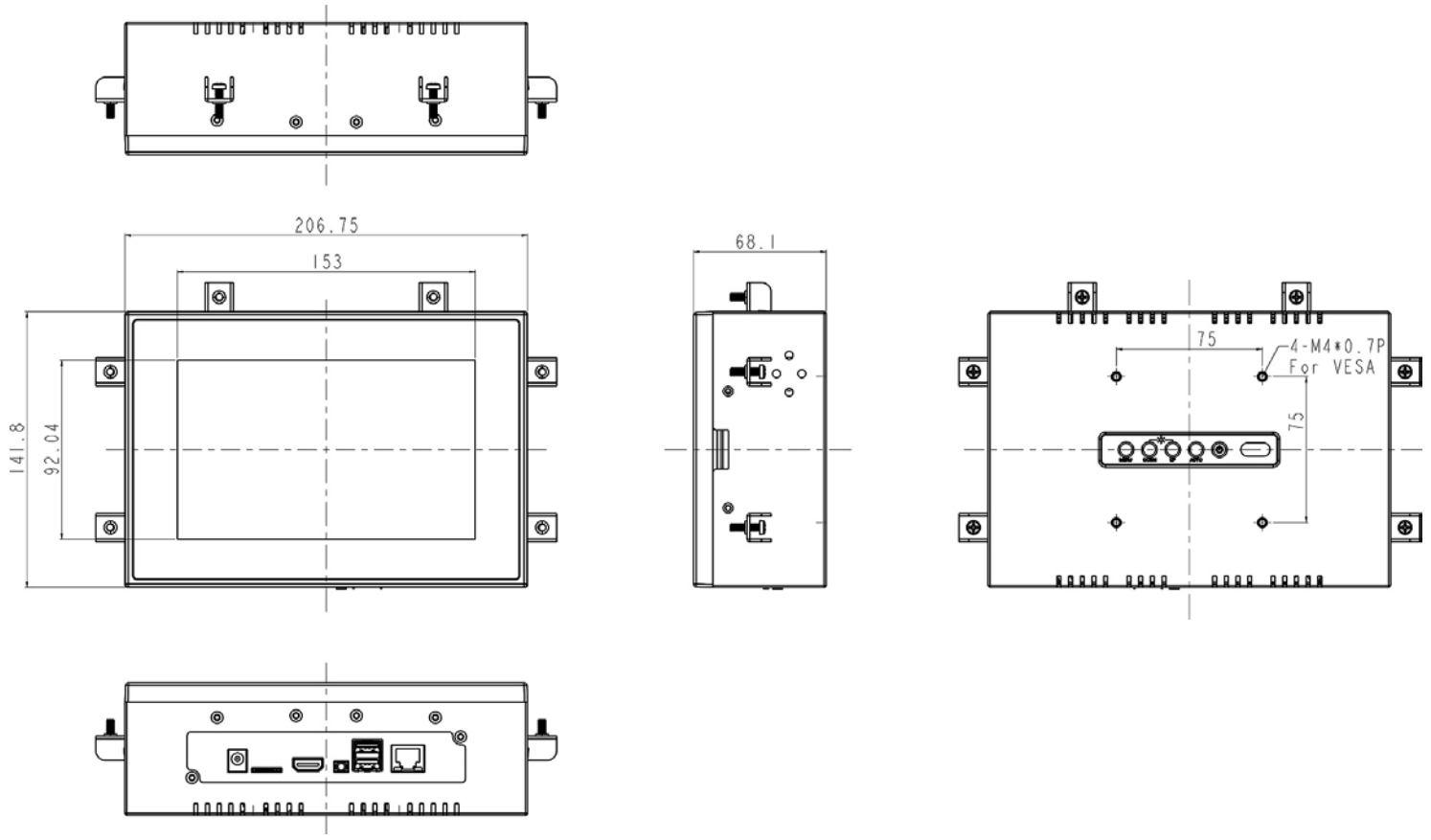
- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel® Atom Baytrail-M/D Chipset
- Intel® Celeron J1900
- Single Channel DDR3L 1333 MHz SDRAM
- 1 x HDMI, 1 x COM, 2 x USB, 2 x LAN

## SPECIFICATIONS:

|                            |                            |   |
|----------------------------|----------------------------|---|
| <b>Panel</b>               | Cell Type / Glass Surface  | TFT LCD / Black Anti-Glare, low reflection coating          |
|                            | Aspect Ratio / Size        | Wide / 7" viewable diagonal area                            |
|                            | Active Area / Pixel Pitch  | 153.60(H) x 90(V) mm / 0.150(H) x 0.150(V) mm               |
|                            | Native Resolution / Colors | 1024(H) x 600(V) / 262 K                                    |
|                            | Brightness / Contrast      | 350 cd/m <sup>2</sup> (typ) / 700 : 1                       |
|                            | Response Time              | < 16 ms   |
|                            | Viewing Angle (typical)    | H. 150° (- 75° ~ + 75°) , V. 140° (- 75° ~ + 65°)           |
|                            | Light Source               | LED backlight, Long life, 35,000 hrs (typ)                  |
| <b>System</b>              | CPU                        | Intel® Celeron J1900  |
|                            | BIOS                       | AMI   |
|                            | System / Graphic Chipset   | Intel® Atom Baytrail-M/D Chipset                            |
|                            | System Memory              | Single Channel DDR3L 1333 MHz SDRAM                         |
|                            | HDD                        | 2 x SATA  |
|                            | I/O port                   | 1 x HDMI  |
|                            |                            | 2 x USB 3.0   |
| 1 x COM (RS232)            |                            |   |
| Expansion                  | 2 x LAN                    |   |
| <b>Power</b>               | Power Input                | 1 x Mini PCI-e  |
|                            | Power Consumption          | 12V DC-IN (Lockable connector)                              |
| <b>Operating Condition</b> | Power Consumption          | 44.625 Watt, <1 Watt  |
|                            | 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                       |
|---------|----------------------|----------------------|--------------------------|------------------------------|
|         | Projected Capacitive | SV + AV              | Panel with LED backlight | Digital Signage(Stand alone) |
|         | Protected glass      | SV + AV + AV_Looping | High brightness panel    | Networking Digital Signage   |
|         |                      | SV + AV + TV         | Wide Temperature         | Motion Sensor                |
|         |                      |                      | Sunlight Readable        | Light Sensor                 |
|         |                      |                      |                          | 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)  |
|-------------------------------|--|--|--|--|--|--|
| <b>PRODUCT SIZE</b>           | 1.7" - 24"   | 10.4" - 24"  | 15" - 19"  | 12" - 24"  | 10.4" - 30"  | 10.4" - 42"  |
| <b>TOUCH LIFE</b>             | 1 - 2 million touches  | 30 - 35million touches   | 100 million touches  | 100 million touches  | 50 million touches   | Long-term reliability  |
| <b>SCRATCH RESISTANCE</b>     | 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                                |
| <b>CONTAMINANT RESISTANCE</b> | 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 |
| <b>INPUT METHOD</b>           | Finger, Gloved Hand, Stylus  | Finger, Gloved Hand, Stylus  | Stylus Pen   | Finger   | Finger, Gloved Hand, Soft pliable stylus                                   | Finger, Gloved Hand, Stylus  |
| <b>CONTROLLER</b>             | 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

