

Zero Bezel Chassis, 7" LCD Monitor, 800 x 480
LED 400 nits, VGA input

Model: ECHW0700-i3-F



FEATURES:

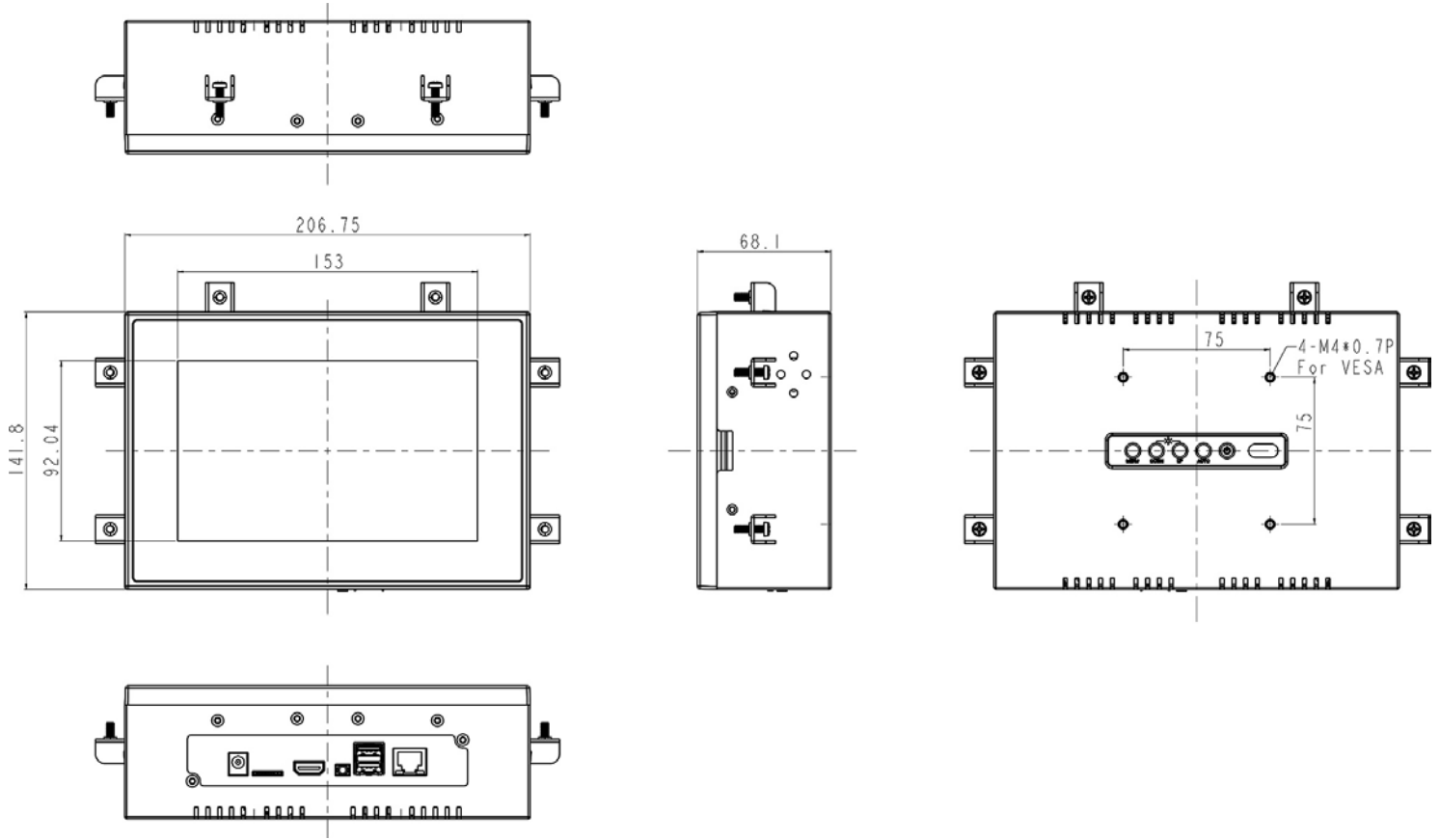
- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel® Core i3 Processors
- Intel® 8th Gen (Whiskey lake-U)
- Supports Dual Channel DDR4 SO-DIMM 2400 MHz, up to 32GB
- 2 x Display Port, 4 x USB, 2 x LAN

SPECIFICATIONS:

| | | |
|----------------------------|----------------------------|---|
| Panel | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low reflection coating |
| | Aspect Ratio / Size | Wide / 7" viewable diagonal area |
| | Active Area / Pixel Pitch | 152.40(H) x 91.44(V) mm / 0.1905(H) x 0.1905(V) mm |
| | Native Resolution / Colors | 800(H) x 480(V) / 262 K |
| | Brightness / Contrast | 400 cd/m ² (typ) / 500 : 1 |
| | Response Time | < 30 ms |
| | Viewing Angle (typical) | H. 130° (- 65° ~ + 65°) , V. 110° (- 60° ~ + 50°) |
| | Light Source | LED backlight, Long life, 35,000 hrs (typ) |
| System | 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 | | |
| 1 x Power | | |
| Expansion | N/A | |
| Power | Power Input | 12V DC-IN (Lockable connector) |
| | Power Consumption | 44.625 Watt, <1 Watt |
| Operating Condition | Temperature / Humidity | 0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation) |
| Dimensions | 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) |
|------------------------|--|--|--|--|--|--|
| 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 ²) | Hard Coated (SiO ²) | Glass Overlay Moh's hardness rating of 7 | Glass Overlay 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.



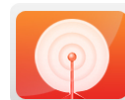
RS-232 Remote Control Options

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

