

Zero Bezel Chassis, 19" LCD Monitor
1280 x 1024, LED 1000 nits, VGA input
Wide view angle

Model: ECH1900WVHB-i5-F



FEATURES:

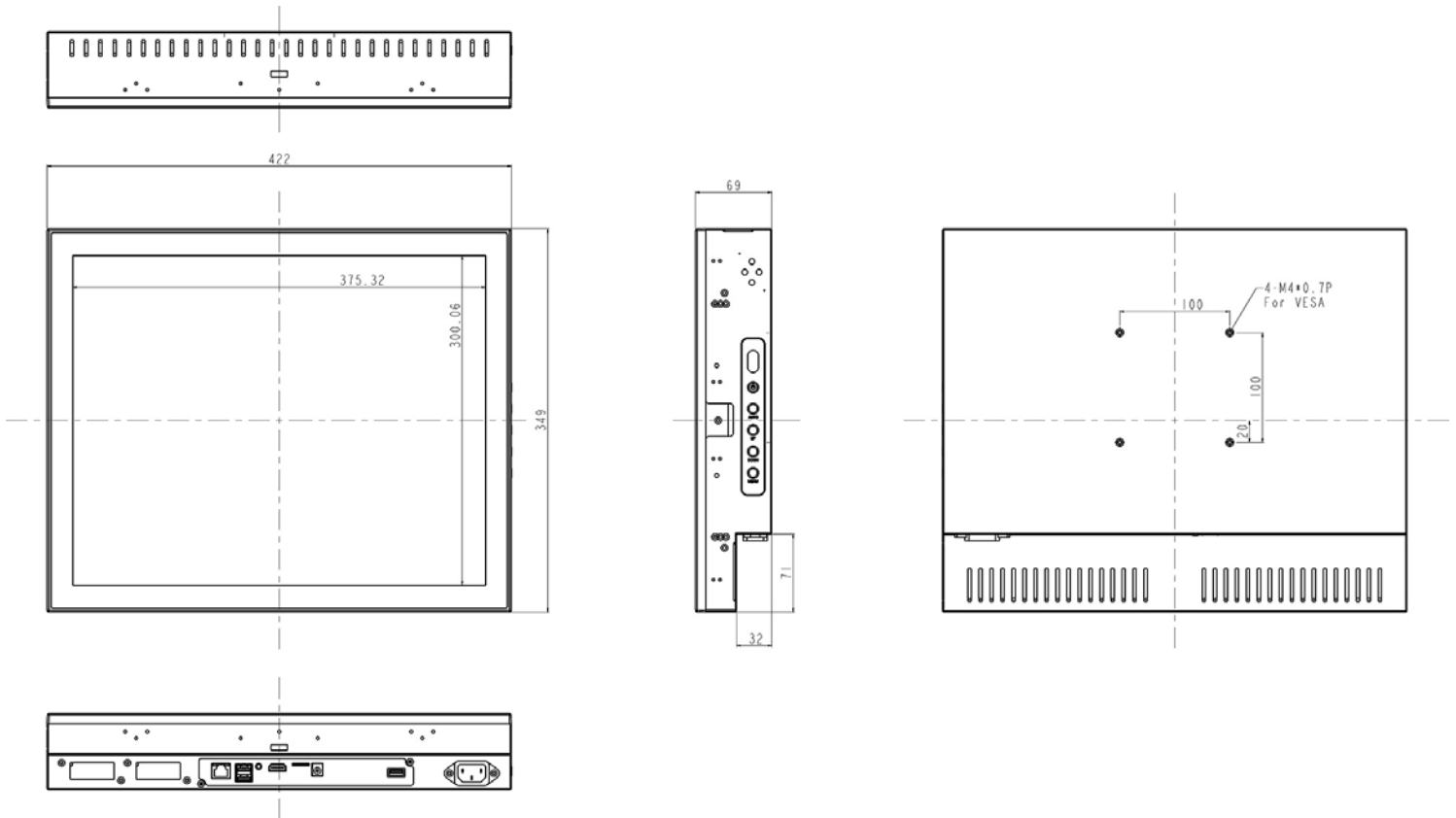
- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel® Core i5 Processor
- Intel® H110
- 2 x DDR4 SO-DIMM slots, up to 32GB 2133MHz
- 1 x HDMI, 1 x Display Port, 4 x USB 3.0, 1 x LAN

SPECIFICATIONS:

| | | |
|----------------------------|----------------------------|---|
| Panel | Cell Type / Glass Surface | TFT LCD |
| | Aspect Ratio / Size | 4 : 3 / 19" viewable diagonal area |
| | Active Area / Pixel Pitch | 376.3(H) x 301.1(V) mm / 0.294(H) x 0.294(V) mm |
| | Native Resolution / Colors | 1280(H) x 1024(V) / 16.7 M |
| | Brightness / Contrast | 1000 cd/m ² (typ) / 1000 : 1 |
| | Response Time | < 5 ms |
| | Viewing Angle (typical) | H. 178° (- 89° ~ + 89°) , V. 178° (- 89° ~ + 89°) |
| | Light Source | LED backlight, Long life, 35,000 hrs (typ) |
| System | CPU | Support for Intel® Core i7 / i5 / i3 / Celeron® (Skylake-S) |
| | BIOS | UEFI |
| | System / Graphic Chipset | Intel® H110 |
| | System Memory | 2 x DDR4 SO-DIMM slots, up to 32GB 2133MHz |
| | HDD | 4 x SATA2 |
| | I/O port | 1 x HDMI |
| | | 4 x USB 3.0 |
| 1 x Display Port | | |
| Expansion | 1 x LAN, Mic-in, Line-out | |
| Power | Expansion | 1 x Mini PCI-e |
| | Power Input | 12V DC input with adapter |
| | Power Consumption | 43 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 |
|---------|------------------|----------------------|--------------------------|------------------------------|
| | 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 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

