

WIDE TEMPERATURE: Chassis/Wall Mount Metal Housing LCD

Industrial 6.5" LCD monitor, 640x480, LED-400nits VGA, Wide Temperature (-30° to 80°C), Side OSD including VESA Mount with Projective Capacitive Touch (1-2mm) USB Controller

Model: ECH0650WT-PCT



- Wide Temp
- High-Brightness 400nits
- Resolution 640x480
- Wide Viewing Angles
- 50,000 Hrs Long Lifetime

ECH0650WT-PCT:

Industrial Chassis/Wall Mount Metal Housing LCD Monitor (Optional for High Brightness and LED backlight)

FEATURES HIGHLIGHTS:

- Metal Chassis/Housing for higher Impact protection. (Optional for Front AR Glass or Vandal Resistant glass)
- Built-in speaker built-in speakers that allow the convenience Audio output.
- Side OSD buttons can prevent unnecessary setting changes.
- Above 24" LCD will include Front IR Sensor and Remote controller.
- Auto Video Signal ON / OFF
- Auto Always Power On

ECHXXXX-WT SERIES
Wide Temperature Range

-30°C Operation Temp 80°C

- Ultra low speed/Noise fan for extra cooling (24" LCD or above)
- VESA Mounting Hole Pattern
- Reliable built-in Power supply for 15" or above (Optional for 9-36V DC input)
- Standard VGA Input (Optional for DVI, HDMI, AV, BNC, AV looping and SDI)
- Optional for RS232 Remote Control Protocol: Command Code to set system

FEATURES:

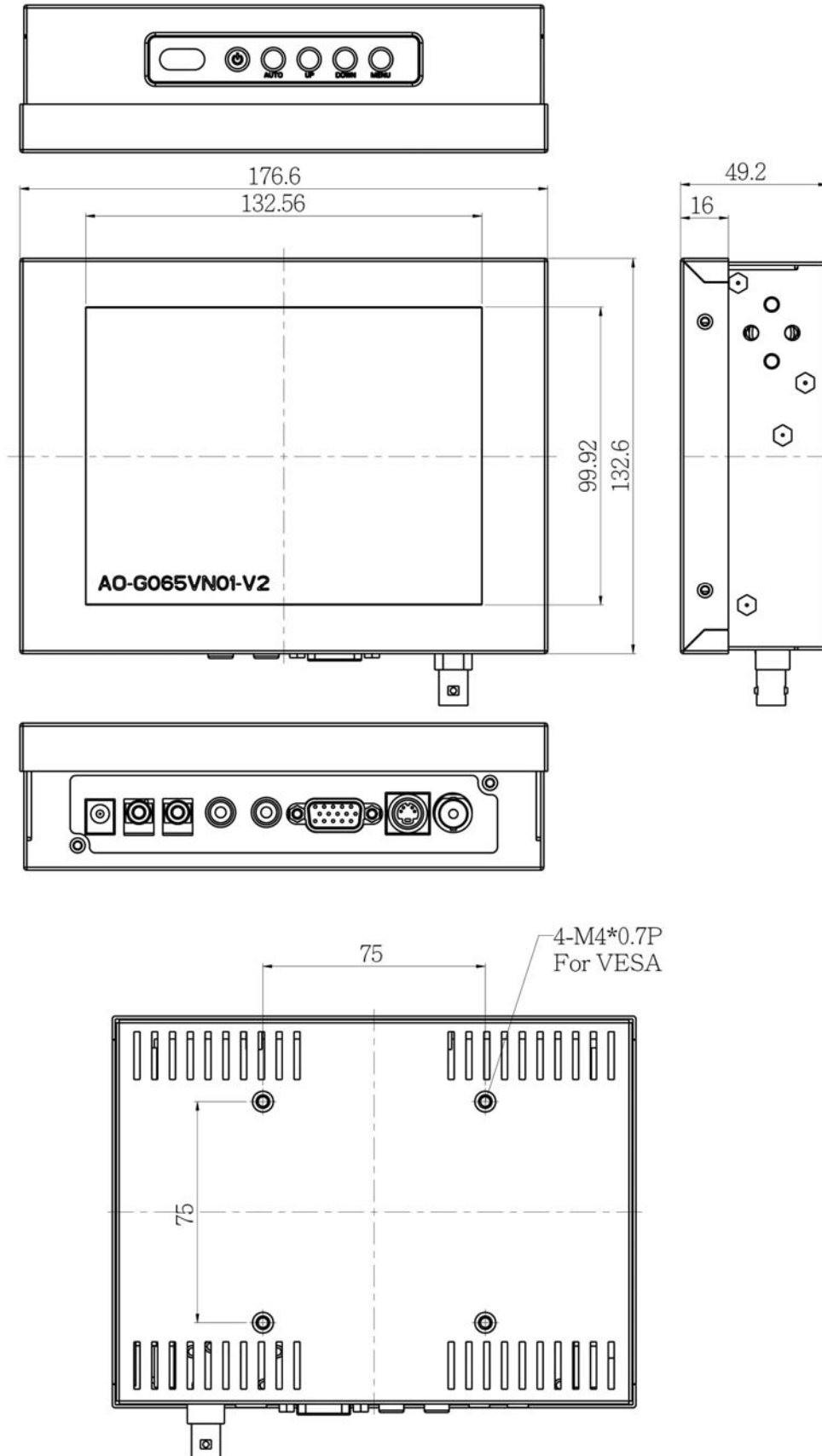
- Modularize mechanical design provides flexible product configuration and easy maintenance.
- Optional build-in touch screen for interactive application.
- Optional with auto-brightness sensor offers application in day and night
- VGA connector with optional AV,SV,AV-Looping
- Complete custom design/solution for OEM customers.

SPECIFICATIONS:

| | | | |
|----------------------------|---------------------------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------------------|
| Panel | Cell Type / Glass Surface | TFT LCD / Black Anti-Glare, low reflection coating | |
| | Aspect Ratio / Size | 4 : 3 / 6.5" viewable diagonal area | |
| | Active Area / Pixel Pitch | 132.48(H) x 99.36(V) mm / 0.207(H) x 0.207(V) mm | |
| | Native Resolution / Colors | 640(H) x 480(V) / 262 K | |
| | Brightness / Contrast | 400 cd/m ² (typ) / 600 : 1 | |
| | Response Time | ≤ 25 ms | |
| | Viewing Angle (typical) | H. 160o (- 80o ~ + 80o) , V. 140o(- 70o ~ + 70o) | |
| | Light Source | LED backlight, Long life, 35,000 hrs (typ) | |
| Input Sources | PC System | Signal | Analog RGB (0.7/1.0 V _{p-p} , 75 ohms) |
| | | Sync | Separate Sync, Composite Sync, Sync On Green |
| | | Frequency | F _h : 30 - 82Khz , F _v : 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 75 x 75 mm) | | |
| Power | External AC-to-12VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz | | |
| Power Consumption | Operation / Power Saving | 12 watt , < 2 watt (Support DPMS) | |
| Operating Condition | Temperature / Humidity | -30°C ~ 80°C (-22°F ~ 176°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 | W x H x D = 176.6 x 132.6 x 49.2 mm | |
| | Carton | W x H x D = 325 x 330 x 135 mm | |
| Weight | N.W. / G.W. | 2.0 Kgs / 3.0 Kgs | |
| Container Loaded | 20ft / 40ft / 40ft HQ | TBD (Sets , By pallet) | |

| 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 of touchscreen technology to choose which 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:

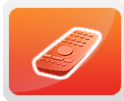
For Video inputs options:

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.



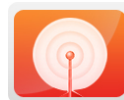
RS-232 Remote Control Options

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