


**IP65 Front Side, Chassis LCD Display, 10.1"-1024x600, LED-700nits**  
VGA signal input port Projected Capacitive touch, USB interface  
Isolated 9~36VDC input with Terminal Block OEM design with OSD  
keyboard & 2\*Speakers on Front Bezel OSD "Up/Down" keys to control  
Audio Volume Silk screen at top middle in one color VESA screw holes  
75x75mm supported Extra Mounting-BK with damper for Anti-Vibration  
and Shock in Vehicle Application

**Model: ECHW1010-PCT-PL01-V1**

**ECH Series: Industrial Chassis Wall/Surface Mount Metal Housing LCD Monitor**  
(Optional Integrated Touch Screen/PC/ DC Input/Front NEMA4x/Front Stainless steel bezel and more...)

**Feature 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**



- 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:

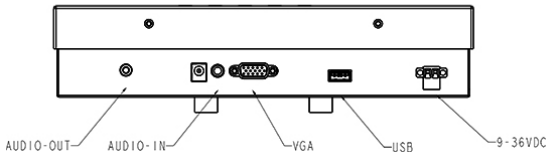
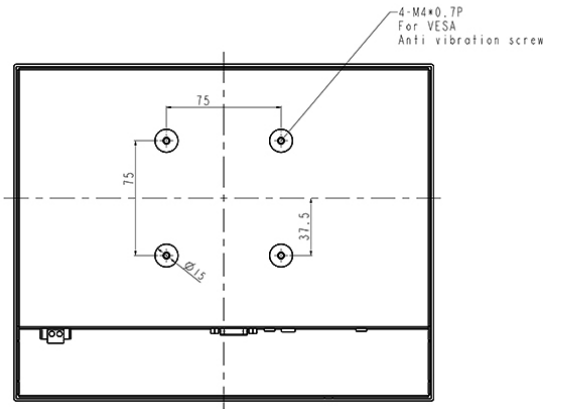
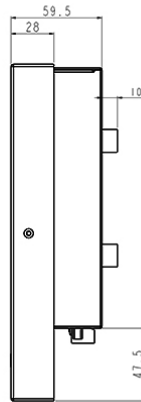
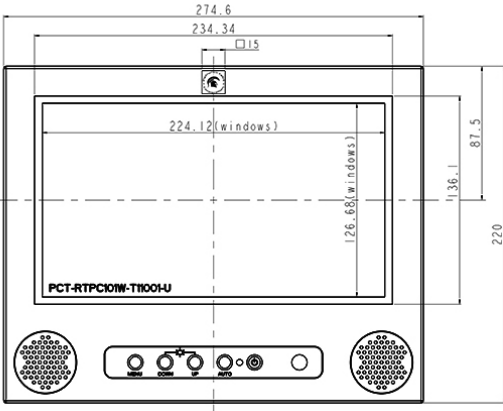
- Modular mechanism design provides flexible product configuration and easy maintenance.
- Optional panel with ultra high brightness and super dynamic contrast, along option with auto-brightness sensor offers application in day and night.
- Optional to built-in touch screen for interactive application.

## Specification:

<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	224.12(H) x 126.68(V) mm / 0.2175(H) x 0.2088(V) mm		
	Native Resolution / Colors	1024(H) x 600(V) / 262 K		
	Brightness / Contrast	700 cd/m <sup>2</sup> (typ) / 650 : 1		
	Response Time	^ 10 ms		
	Viewing Angle (typical)	H. 90° (- 45° ~ + 45°) , V. 65°(- 45° ~ + 20°)		
	Light Source	LED , Long life, 35,000 hrs (typ)		
<b>Input Sources</b>	PC System	Signal	Analog RGB (0.7/1.0 V <sub>p-p</sub> , 75 ohms)	
		Sync	Separate Sync, Composite Sync, Sync On Green	
		Frequency	F <sub>H</sub> : 30 - 82Khz , F <sub>V</sub> : 50 -75Hz	
	Audio System	2W speaker x 2		
<b>Input Terminals</b>	1 x VGA (15 Pin Female D-Sub), 1 x PC Audio (Stereo Headphone Jack), 1 x DC Power Plug			
<b>Convenient Features</b>	Auto Calibration , Back Light Adjustment, Plug&Play (VESA DDC/CI, DDC 2B)			
	OSD Multi-Languages , Wall Mount Ready (VESA 75 x 75 mm)			
<b>Power</b>	9 ~36VDC power adapter with universal / Auto-Sensing, AC 90 to 260V, 50 / 60 Hz			
<b>Power Consumption</b>	Operation / Power Saving	3 watt, < 1 watt (Support DPMS)		
<b>Operating Condition</b>	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F), 10% ~ 90% (no condensation)		
<b>Storage Condition</b>	Temperature / Humidity	- 20°C ~ 60°C (- 4°F ~ 140°F), 10% ~ 90% (no condensation)		
<b>Certification</b>	FCC,CE			
<b>Dimensions</b>	Physical	With Base(W x H x D): TBD		
		Without Base(W x H x D): 274.6 x 220 x 59.5 (mm)		
	Carton	Wx H x D = TBD		
<b>Weight</b>	N.W. / G.W.	2.0 Kgs / 3.0 Kgs		
<b>Container Loaded</b>	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 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 <sub>2</sub> )	Hard Coated (SiO <sub>2</sub> )	Glass Overlay Moh's hardness rating of 7	Glass Overlay 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:

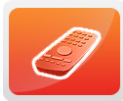
For Video inputs options:

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.



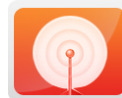
### RS-232 Remote Control Options

**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

