

# All-in-one Chassis Fanless Panel-PC LCD



Chassis Panel-PC), w7"800x480, LED-400nits Mainboard w/ Intel Atom E3815 CPU, Fanless 4GB eMMC(on Board), without Memory, 1xRJ45 GigaLAN, 2xUSB(1\*USB2.0+1\*USB3.0) 1 x MicroSD card slot, 1 x Full-size Mini-PCle slot w/o-OS

PoE supported

1. Limited by the BIOS function, the eMMC(on Board) doesn't support Windows-7.x installed
2. 4GB eMMC(on Board) support OS: Linux, Android and Windows-8.x or 10.x

## FEATURES:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Available 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

## Model: EMCW0700-AT-PoE-V1

## 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 <sup>2</sup> (typ) / 500 : 1	
	Response Time	≤ 30 ms	
	Viewing Angle (typical)	H. 130o (- 65o ~ + 65o) , V. 110o(- 60o ~ + 50o)	
	Light Source	LED backlight, Long life, 35,000 hrs (typ)	
Input Sources	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	
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 Dimension - please refer to Drawing)		
Power	12V DC in		
Power Consumption	Operation / Power Saving	9.625 watt , < 2 watt (Support DPMS)	
Operating Condition	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)	
Storage Condition	Temperature / Humidity	- 20°C ~ 60°C (- 4°F ~ 140°F) , 10% ~ 90% (no condensation)	
Certification		FCC , CE	
Dimensions	Physical	Please refer to Drawing	
	Carton	W x H x D = TBD	
Weight	N.W. / G.W.	3 Kgs / 4 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

## PC FEATURES:

- 100(W) x 108.5(D) mm small form factor
- Intel Atom processor E3815
- 1 x SO-DIMM DDR3L slot
- 1 x GbE LAN (Realtek RTL8111G)
- 1 x SATA II 3Gb/s port
- Android / Linux support



## PC SPECIFICATIONS:

### Form Factor

Proprietary  
100(W) x 108.5(D) mm

### Operating Properties

Operating temperature: 0°C to 50°C  
Operating humidity: 0%-90%  
Non-operating temperature: -40°C to 70°C  
Non-operating humidity: 0%-95% (non-condensing)

### CPU

Intel Atom processor E3815  
Single core, 22nm

1.46GHz

512KB cache

5W TDP

### Socket

1 x BGA 1170

### Memory

1 x SO-DIMM slot  
DDR3L memory Up to 8GB 1066Mhz

### Flash Memory

4GB of eMMC memory

### LAN

1 x GbE LAN port (Realtek RTL8111G)

### Video

Intel HD Graphics

### SATA

1 x SATA II 3Gb/s port

### Expansion Slots

1 x Full-size Mini-PCIe slot

### Internal I/O

1 x RTC header  
1 x System fan header  
1 x LPC (80h) header  
1 x LVDS connector  
1 x USB 2.0 header  
1 x SATA power connector  
1 x System power connector

### Rear I/O

1 x RJ45  
1 x USB 3.0  
1 x USB 2.0  
1 x DC-in  
1 x MicroSD card slot  
1 x Serial  
1 x HDMI v1.4

### OS Supported

Linux, Android and Windows-8.x or 10.x

### Power Supply

AC 100~240V  
12V DC-In

# MECHANICAL DRAWINGS:

