

All-in-one Chassis Fanless Panel-PC LCD



**7" Wide Chassis Panel-PC(OEM), 800x480, LED-400nits
Mainboard with Intel Atom E3815 CPU, Fanless
8GB eMMC(on Board), without Memory
1xRJ45 GigaLAN, 2xUSB(1*USB2.0+1*USB3.0)
1 x MicroSD card slot, 1 x Full-size Mini-PCIe slot
Windows embedded standard 7
5 wire resistive, USB interface, PoE supported**

Model: EMCW0700-AT-PoE

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

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. 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 _{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 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

Windows 7 (x32/x64) Windows 8.1 (x32/x64)
Fedora 20

Power Supply

AC 100~240V
12V DC-In

MECHANICAL DRAWINGS:

