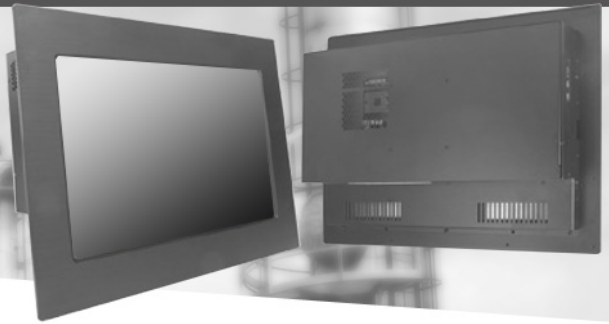


# IP65 Fanless Panel PC

Panel PC IP65 Front, 15.4" LCD Monitor, 1280x800, LED-400nits, Intel BayTrail System Chip with Celeron-J1900 quad cores processor, 2.0GHz, Fanless SIMB-351 (J1900) / RAM 8GB / SSD 256GB, 4. I/O : VGA x1, RS232 x3, LAN x2, SATS x1, USB (2.0) x4, PCIe x1, Mini-PCIe x 1 and 9~36VDC input Win10 IoT Ent LTSB 2016 MultiLang OEI Entry (ESD) 5 wires resistive touch, USB interface



**MODEL: EMCW1540-J-AE01**

## FEATURES

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel Celeron J1900
- 5 Wire Resistive Touch Screen

## SPECIFICATIONS

<b>Panel</b>	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	Wide / 15.4" viewable diagonal area
	Active Area / Pixel Pitch	331.2(H) x 207.0(V) mm / 0.2588(H) x 0.2588(V) mm
	Native Resolution / Colors	1280(H) x 800(V) / 262 K
	Brightness / Contrast	400 cd/m <sup>2</sup> (typ) / 700 : 1
	Response Time	< 16 ms
	Viewing Angle (typical)	H.170° (- 85° ~ + 85°) , V. 160° (- 80° ~ + 80°)
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
<b>Power</b>	Power Input	9~36VDC Input
	Power Consumption	48W - 66W
<b>Operating Condition</b>	Temperature / Humidity	- 30°C ~ 80°C (-22°F ~ 176°F) , 10% ~ 90% (no condensation)
<b>Dimensions</b>	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

*\*Specifications subject to change without notice, not responsible for typographical errors.*

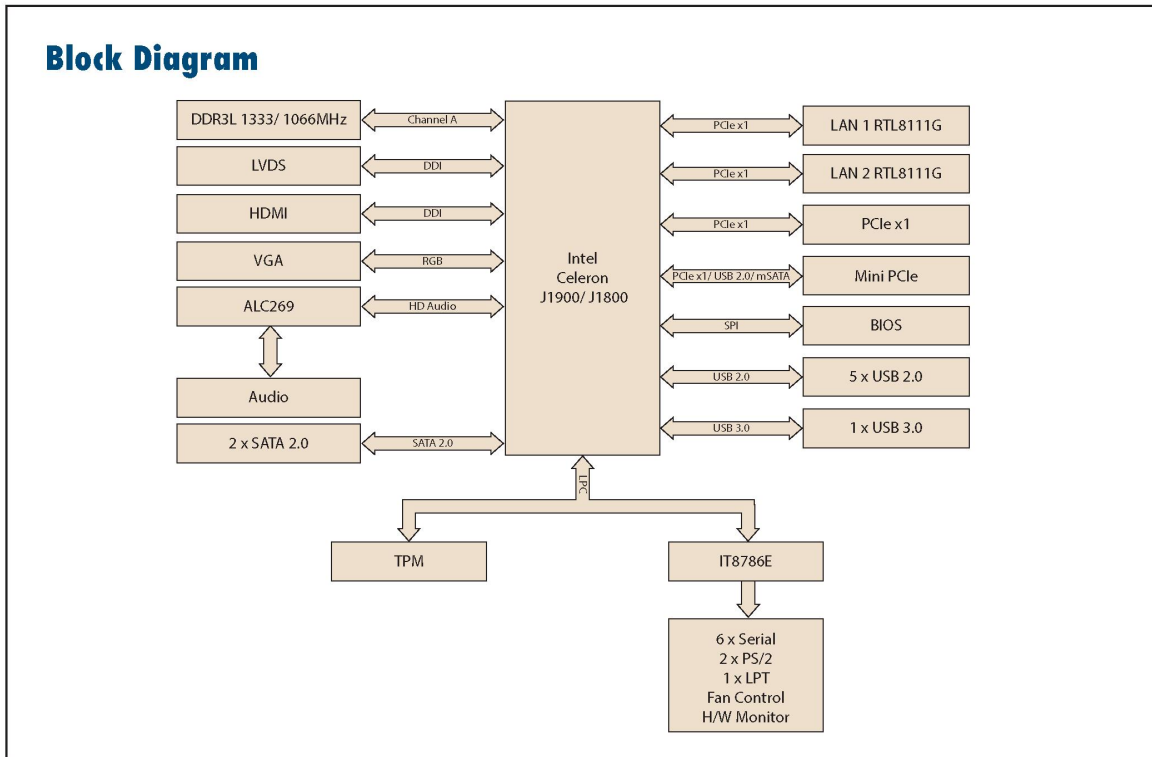
## SIMB-351 MB Specifications



- Integrated SOC design supports Intel Celeron series processor family: J1900/J1800
- Supports dual independent display configuration by multiple display interface: VGA, HDMI and LVDS
- Intel HD Graphics supports embedded Hardware Decode Accelerator delivering 1080p HD video stream with excellent performance
- Onboard 1 x PCIe x1, 1 x Mini PCIe supports full-length mini card or mSATA
- Supports dual LANs, 1 x LPT, 6 x serial
- Supports 1 x 12V DC-in, 1 x 4-pin ATX power connector

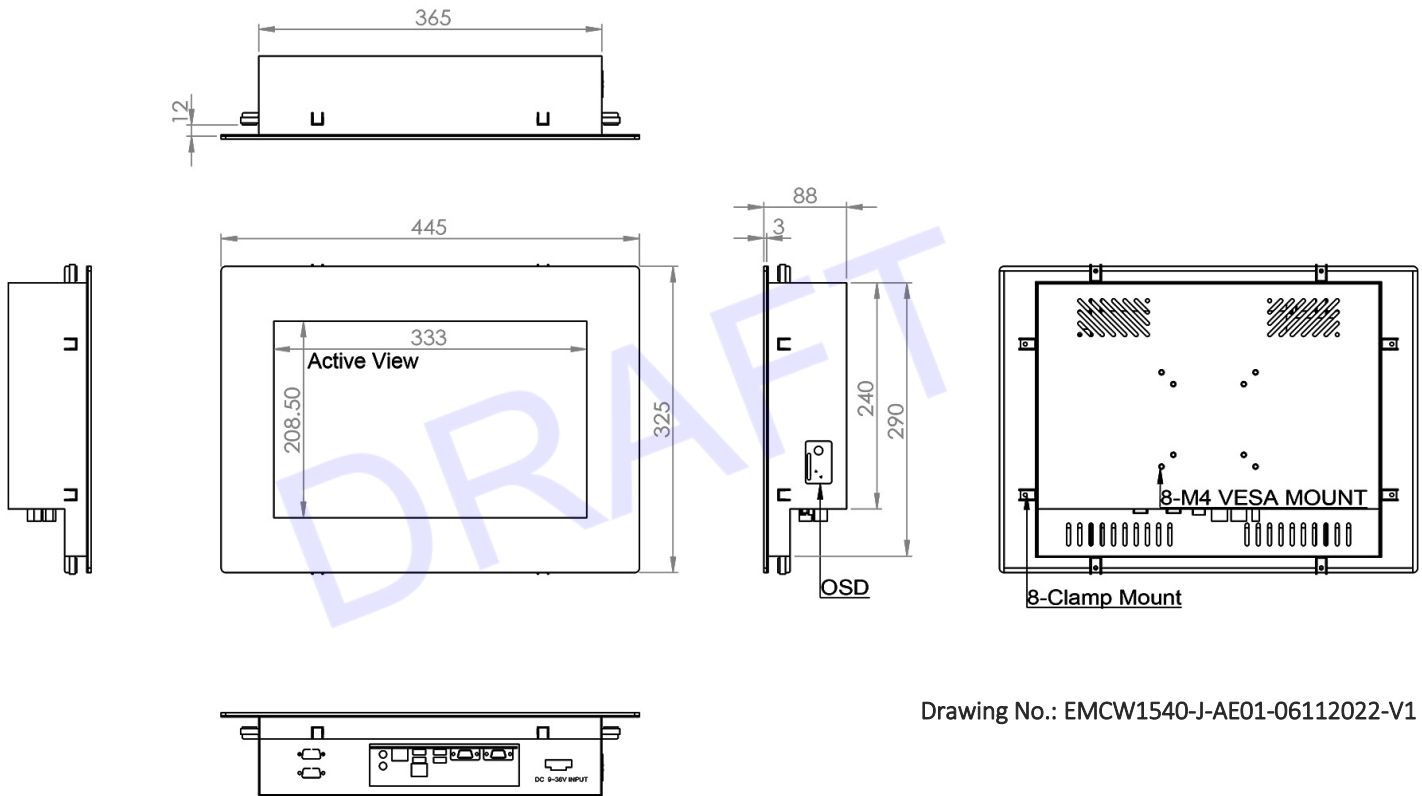
<b>Processor</b>	CPU	Intel Celeron J1900/ J1800 processor
	Max. Speed	Up to 2.58 GHz
	Socket	FCBGA1170
	Cache	Up to 2 MB
	BIOS	AMI EFI 64Mbit SPI
<b>Memory</b>	Technology	Single channel DDR3L1066/1333 MHz SDRAM (Non-ECC)
	Max. Capacity	8 GB per socket
	Socket	1x 204-pin SO-DIMM
<b>Graphics</b>	Controller	Integrated Intel HD Graphics engine
	VGA	Up to SXGA 2560 x 1600 (@60Hz)
	HDMI	Up to 1920 x 1080 (@60Hz)
	LVDS	Up to 1920 x 1200 (@60Hz)
	Dual Display	VGA+HDMI, VGA+LVDS, HDMI+LVDS
<b>Ethernet</b>	Interface	10/100/1000 Mbps
	LAN 1 Controller	RealtekRTL8111GGBELAN
	LAN 2 Controller	RealtekRTL8111GGBELAN
	Connector	2 x RJ-45
<b>Expansion Slot</b>	Mini PCIe	1 for full-length
	PCIex1 (Gen2)	1
<b>Storage</b>	SATA2.0	2(300MB/sperport)
	mSATA	1 (300MB/S per port, by Mini PCIe slot)
<b>Audio</b>	Codec	Realtek ALC269
	Connector	Line-out, Mic-in
<b>Rear I/O Connector</b>	VGA	1
	HDMI	1
	RJ-45	2
	USB 2.0	4
	Serial	2 x RS-232
	DC Jack	1
	Audio	2 (Line-out, Mic-in)
	PS/2	2
<b>Internal Connector</b>	USB 3.0	1
	USB 2.0	1
	Serial	3 x RS-232,1 x RS-232 with 5W12V power
	SATA2.0	2(300MB/sperport)
	LVDS	1
	TPM	1
	CPU Fan	1
	System Fan	1
	Front Audio	1
	Front Panel	1
	GPIO	1 (8-bit)
<b>Watchdog Timer</b>	Output	System reset
	Interval	Programmable 1-255 sec/min
<b>Power</b>	Power Requirement	+12V(5A)
	Power Type	DC-in
	Power Connector	1 x 12V DC-in, 1x4-pin ATX 12V
<b>Environment</b>	Operation Temperature	0~60°C (32~140°F)
	Non-Operation Temperature	-40 - 85° C (-40-185° F)
	Operation Humidity	0% - 90% relative humidity, non-condensing
<b>Physical Characteristics</b>	Dimensions	170 x 170 mm (6.69" x 6.69")
	Weight	0.45 Kg

## Block Diagram



## MECHANICAL DRAWING

*This is subject to change without Notice. Final Drawings Will be Provided for Approval after Order.*



Drawing No.: EMCW1540-J-AE01-06112022-V1