



24" Industrial Panel 1920 x 1200 300nits
Panel Mount (with 3mm front bezel) / Clamp / VESA mount
Resistive Touch JIMB-1900-2L / J1900 (2.0 GHz) quad-core
processor / RAM 4GB / SSD 128GB I/O : 12VDC with external
100~240VAC power cord Windows 10 Enterprise 2016 LTSB

Model: EMCW2400X-J-V1

FEATURES:

- Modularize mechanical design provides flexible product configuration and easy maintenance
- Optional build-in touch screen for interactive application
- Intel J1900 (2.0 GHz) quad-core processor
- Panel Mount (with 3mm front bezel)

LCD SPECIFICATIONS:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	Wide / 24.1" viewable diagonal area
	Active Area / Pixel Pitch	518.4(H) x 324.0(V) mm / 0.27(H) x 0.27(V) mm
	Native Resolution / Colors	1920(H) x 1200(V) / 16.7M
	Brightness / Contrast	300 cd/m ² (typ) / 1000 : 1
	Response Time	< 14ms (G-to-G)
	Viewing Angle (typical)	H.178° (- 89° ~ + 89°) , V. 178° (- 89° ~ + 89°)
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
Power	Power Input	12V DC input with adapter
	Power Consumption	50 Watt, <1 Watt
Operating Condition	Temperature / Humidity	0°C ~ 70°C (32°F ~ 158°F) , 10% ~ 90% (no condensation)
Dimensions	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
	Infrared touch	SV + AV + TV	Wide Temperature	Motion Sensor
	Protected glass		Sunlight Readable	Light Sensor
				Auto-Dimming

PC SPECIFICATIONS



- Intel® Celeron™ J1900 (2.0 GHz) quad-core processor
- Support DirectX 11 3D Graphics Acceleration
- Support DDR3L 1333
- Integrated HD Audio CODEC
- Support 2*PCI Express Gigabit LAN
- Support Power Onboard(12V)
- Onboard 1* MiniPCI-E connector
- Onboard 1* M.2 connector(2242/2260)
- 2 Phase CPU Power Support
- Support 1* USB3.0, 9* USB2.0
- Support 12* COM(COM1/2 Support RS232/422/485)
- Support Amplifier function(3W)
- Support Thunder Protection Function
- Thin mini ITX Form Factor(170mm X170mm)

CPU-Chipset	INTEL® Celeron™ J1900 (2.0 GHz) quad-core processor
I.O Chipset	2 Phase CPU Power Support FINTEK F81866AD-I
Memory	1*SO-DIMM slot Support DDR3L 1333 Max. capacity of system memory up to 8GB
Expansion Slots	1* Mini PCI-E connector
Storage	1* Serial ATA2 3Gb/s connector 1* M.2 Connector(2242/2260)
Audio	ALC662 Audio CODEC
Ethernet LAN	HD Audio CODEC REALTEK® RTL8111G Chip
LVDS	2* PCI Express Gigabit LAN Onboard 24-bit Dual channel(Co-Lay EDP)
USB	1* USB3.0 Port 9* USB 2.0 (3 distribute in back panel, 6 distribute in mid-board)
Special Features	Support CPU Smart Fan Support Watch dog Technology Support GPIO Technology Support VGA header Support HDIM header Support Power On board Support Amplifier function(3W) Support 2*RS422/RS485/RS232 COM ports COM 1/COM2 Support 5V/12V TTL Thunder Protection Function All Solid Capacitor design All Power Pack MOSFET design
Back Panel I / O	1* USB3.0 port 3* USB 2.0 ports 2* RJ-45 ports 1* Line-out connector 1* MIC 1* VGA port (Max. Resolution: 1920*1200@60Hz) 1* 12V DC in

Internal I / O	3* USB 2.0 headers for 6 USB 2.0 ports
	1 * CPU / Chassis Fan connectors
	12* COM headers(COM1/COM2 For RS422/RS485/RS232 and TTL)
	1* Parallel header
	1* PS2/KB header
	1* 4-pin ATX 12V Power connector
	1* 4-pin SATA Power connector
	1* 12-pin VGA header (Max. Resolution: 1920*1200@60Hz)
	1* 20-pin HDMI header (Max. Resolution: 1920*1200@60Hz)
	1* 24-bit Dual Channel LVDS header (Max. Resolution: 1920*1200@60Hz)
	1* GPIO header
	1* Mini PCI-e connector
	1* M.2 Connector(2242/2260)
	1* SATA Connector
	1* Speaker header(Amplifier function 3W)
	1* Front panel header
	1* SIM Card socket
BIOS	AMI 64MB SPI ROM
Temperature	Operating: 0°C ~ 60°C Storage: -20°C ~ 85°C
Form Factor	Thin mini ITX Form Factor(170mm X 170mm)
Accessory	SATA Cable SATA Power cord COM Cable I/O Shield
OS Support	Windows 7 (32/64-bit), Windows 8.1 (32/64-bit), Windows 10 (32/64 Bit) Windows Server 2012R2, Windows Server 2016, Windows Server 2019 Linux: Cent OS, Debian, Fedora, OpenSUSE, Ubuntu, pfSense, FreeNAS, RedHat

MECHANICAL DRAWING:

