

Industrial Stainless Steel Panel Mount IP65/NEMA4

12.1" (Front Bezel 3mm) LCD Monitor, 1024x768, 300nits, Side OSD, including rear screw/VESA Mount without gasket (Recommend Silicone seal) with 5 Wired Resistive touch USB Controller

Model: ESPM1210XHB-J-TR-V3

ESPM Series: Front NEMA4/IP65 Industrial Stainless Steel Panel Mount Metal (3mm) Housing LCD Monitor (Optional Integrated Touchscreen)

FEATURES HIGHLIGHTS:



Stainless steel 3mm Panel Mount (Optional for Front AR Glass or Vandal Resistant glass)

NEMA4/ IP65 Front Anti Water proof and Dust Proof

Optional for Resistive/ Capacitive/ SAW/ IR/ Projective Capacitive Touch screen

**Auto Video Signal ON / OFF
Auto Always Power On**

Auto Power on and Video signal on/off:

The LCD is always on whenever there is a power; this functionality eliminates the need to manual turn on the LCD. Also, you can control the LCD backlight on/off by video signal. LCD backlight will shut down when no video signal, but LCD backlight will wake up when the video signal is back on.



For easy installation with Clamps mount

VESA Mounting Hole Pattern

**Reliable built-in Power supply for 15" or above
(Optional for 9-36V DC input)**

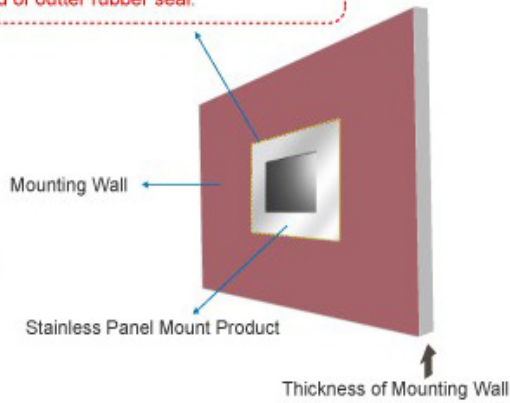


**Standard VGA Input
(Optional for DVI, HDMI, AV, BNC, AV looping and SDI)**

Optional for RS232 Remote Control Protocol: Command Code to set system

Side OSD buttons can prevent unnecessary setting changes.

Stainless Steel Front Bezel is without to have outer rubber seal (O-ring). Please apply silicon to instead of outer rubber seal.



FEATURES:

- 1024 x 768 Native resolution, 300 cd/m² brightness, 160° horizontal/vertical viewing angles
- IP65 Front side sealed for water-dust proof.
- J1900 (J1900) / RAM 4GB (0C~70C) / SSD 256GB (0C ~70C)
- Win 10 IoT Ent 2019 LTSC MultiLang ESD OEI Entry
- DC12V input with terminal Block + and -
- Dual LAN Input.
- I/O :USB (2.0) x2, USB (3.0) x2, LAN x2, VGA x1, Line-out x1, Mic x1, 12VDC input

SPECIFICATIONS:

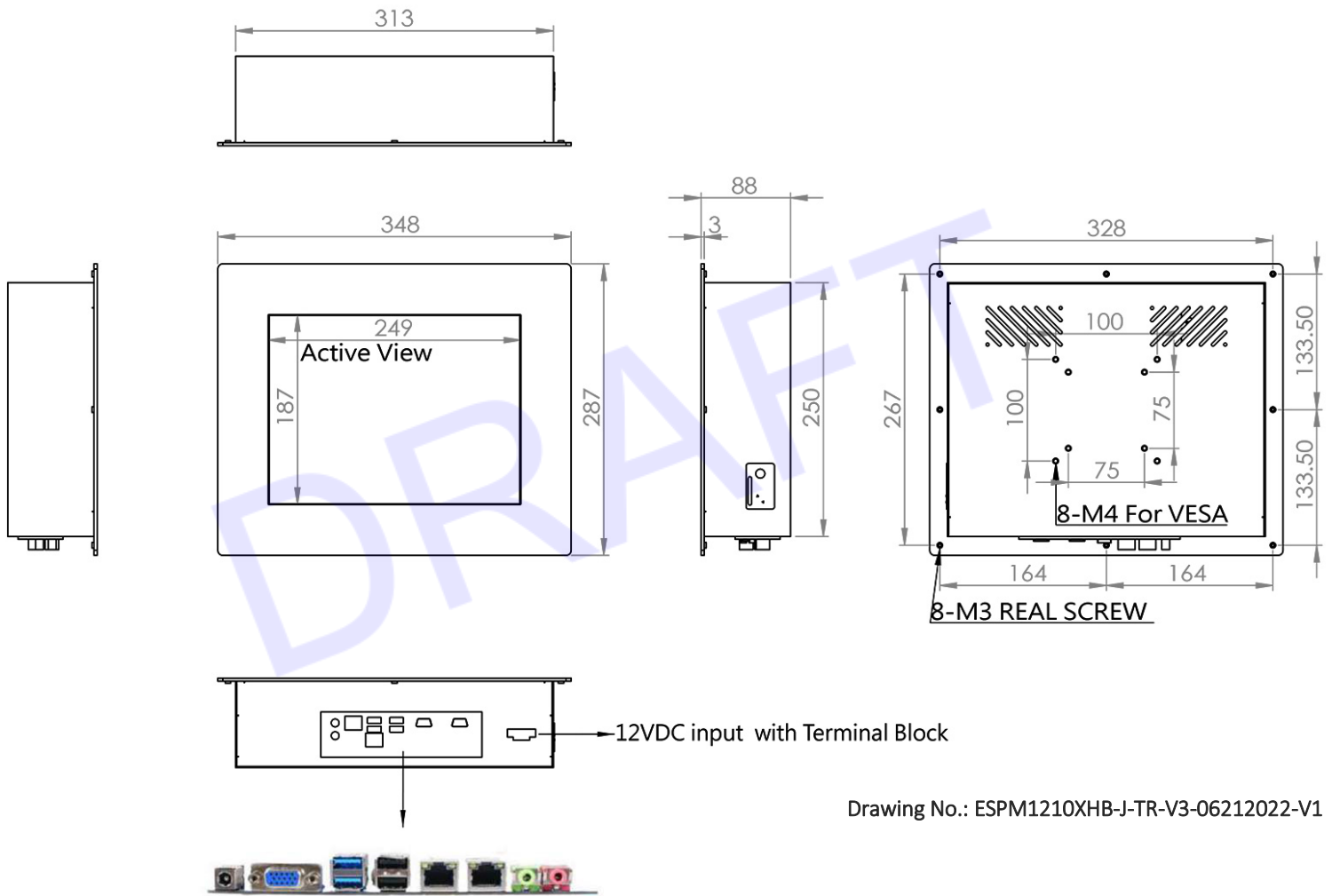
Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	4:3 / 12.1" viewable diagonal area
	Active Area / Pixel Pitch	249(H) x 178(V) mm / 0.24(H) x 0.24(V) mm
	Native Resolution / Colors	1024(H) x768(V) / 262 K
	Brightness / Contrast	300 cd/m ² (typ) / 700 : 1
	Response Time	^ 20 ms
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80°) , V. 160°(- 80° ~ + 80°)
	Light Source	CCFL , Long life, 50,000 hrs (typ)
Convenient Features	IP65 Front side sealed for water-dust proof	
	Auto Calibration , Back Light Adjustment, Plug&Play (VESA DDC/CI, DDC 2B)	
	OSD Multi-Languages , Wall Mount Ready (VESA 75 x 75 mm)	
Power	DC12V input with terminal Block + and -	
Power Consumption	Operation / Power Saving	22 watt, < 2 watt (Support DPMS)
Operating Condition	Temperature / Humidity	0°C ~ 70°C (32°F ~ 158°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	W x H x D = 380.0 x 310.0 x 58.0 mm
	Carton	Wx H x D = TBD
Weight	N.W. / G.W.	3.5 Kgs / 4.5 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

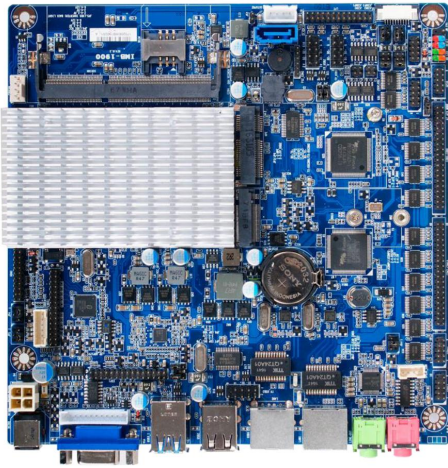
*Specifications subject to change without notice, not responsible for typographical errors.

MECHANICAL DRAWING:

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



Drawing No.: ESPM1210XHB-J-TR-V3-06212022-V1



JIMB-1900-2L MB 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	2* USB3.0 port 2* 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 ~ 70°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

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)
PRODUCT SIZE	1.7" - 24"	10.4" - 24"	15" - 19"	12" - 24"	10.4" - 30"	10.4" - 42"
TOUCH LIFE	1 - 2 million touches	30 - 35million touches	100 million touches	100 million touches	50 million touches	Long-term reliability
SCRATCH RESISTANCE	Hard Coated	Hard Coated	Hard Coated (SiO ₂)	Hard Coated (SiO ₂)	Glass Overlay Moh's hardness rating of 7	Glass Overlay Moh's hardness rating of 7
CONTAMINANT RESISTANCE	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
INPUT METHOD	Finger, Gloved Hand, Stylus	Finger, Gloved Hand, Stylus	Stylus Pen	Finger	Finger, Gloved Hand, Soft pliable stylus	Finger, Gloved Hand, Stylus
CONTROLLER	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.



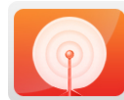
RS-232 Remote Control Options

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