NEMA4x/IP65 Stainless Steel Panel Mount with Glass (Front Bezel 3mm), 17" LCD Monitor 1280 x 1024, 300 nits , Side OSD, including rear screw/Clamp/VESA Mount +PCAP Touch 10-points touch in Windows 7/10 with USB interface +JIMB-1900-2L / RAM 4GB (0C~70C) / SSD 256GB (0C ~70C) +I/O (waterproof connectors) : VGA x1, RS232 x1, Audio x1, LAN x2, USB x2 with 24VDC Power Input and power adapter for testing Excluded OS installation

Model: ESPM1700-J-PCT10-24

FEATURES HIGHLIGHTS:

Stainless steel 3mm Panel Mount (Optional for Front AR Glass or Vandal Resistant glass)
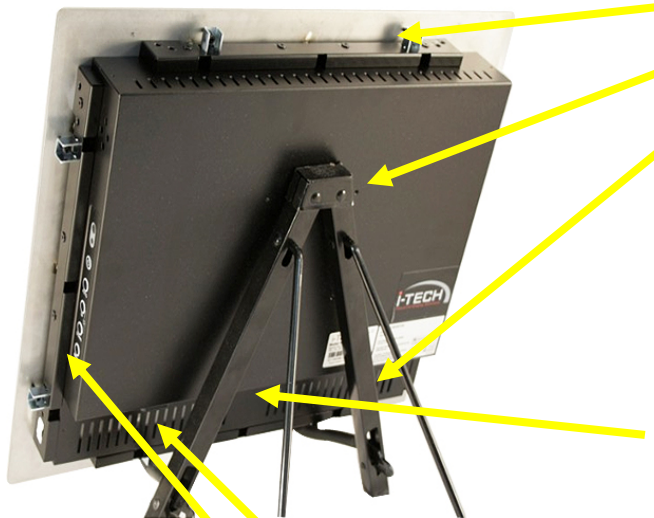
NEMA4/ IP65 Front Anti Water proof and Dust Proof

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

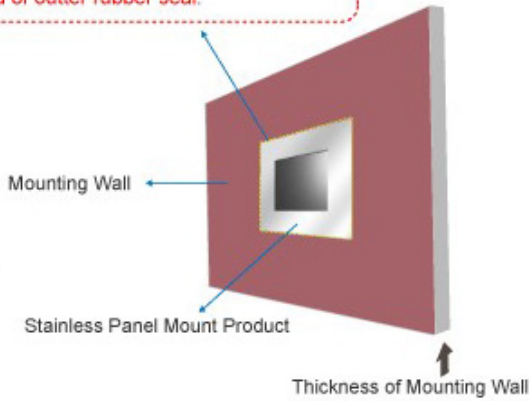**Reliable built-in Power supply for 15" or above (Optional for 9-36V DC input)**

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 outter rubber seal (O-ring). Please apply silicon to instead of outter rubber seal.

Mounting Wall

Stainless Panel Mount Product

Thickness of Mounting Wall

FEATURES:

- Modularize mechanical design provides flexible product configuration and easy maintenance.
- IP65 Front side sealed for water-dust proof.
- Available with auto-brightness sensor offers application day and night.
- Waterproof Connectors.
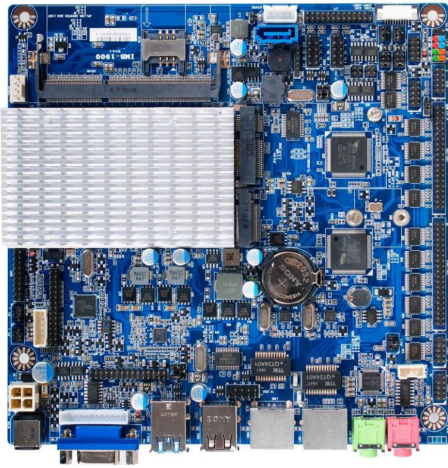- Complete custom design/solution for OEM customers

SPECIFICATION

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating		
	Aspect Ratio / Size	4:3 / 17" viewable diagonal area		
	Active Area / Pixel Pitch	340(H) x 272.50(V) mm / 0.264(H) x 0.264(V) mm		
	Native Resolution / Colors	1280(H) x 1024(V) / 16.7 Million		
	Brightness / Contrast	300 cd/m2 (typ) / 800 :1		
	Response Time	^ 5 ms		
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80°) , V 160°(- 80° ~ + 80°)		
	Light Source	CCFL , Long life, 50,000 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	VGA x1, RS232 x1, Audio x1, LAN x2, USB x2			
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	24VDC Power Input and Power Adapter			
Power Consumption	Operation / Power Saving	30 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 = 440.0 x 380.0 x 61.8 mm		
	Carton	W x H x D = TBD		
Weight	N.W. / GW.	6.0 Kgs / 7.0 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.

Modified Date: 03-29-2021

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
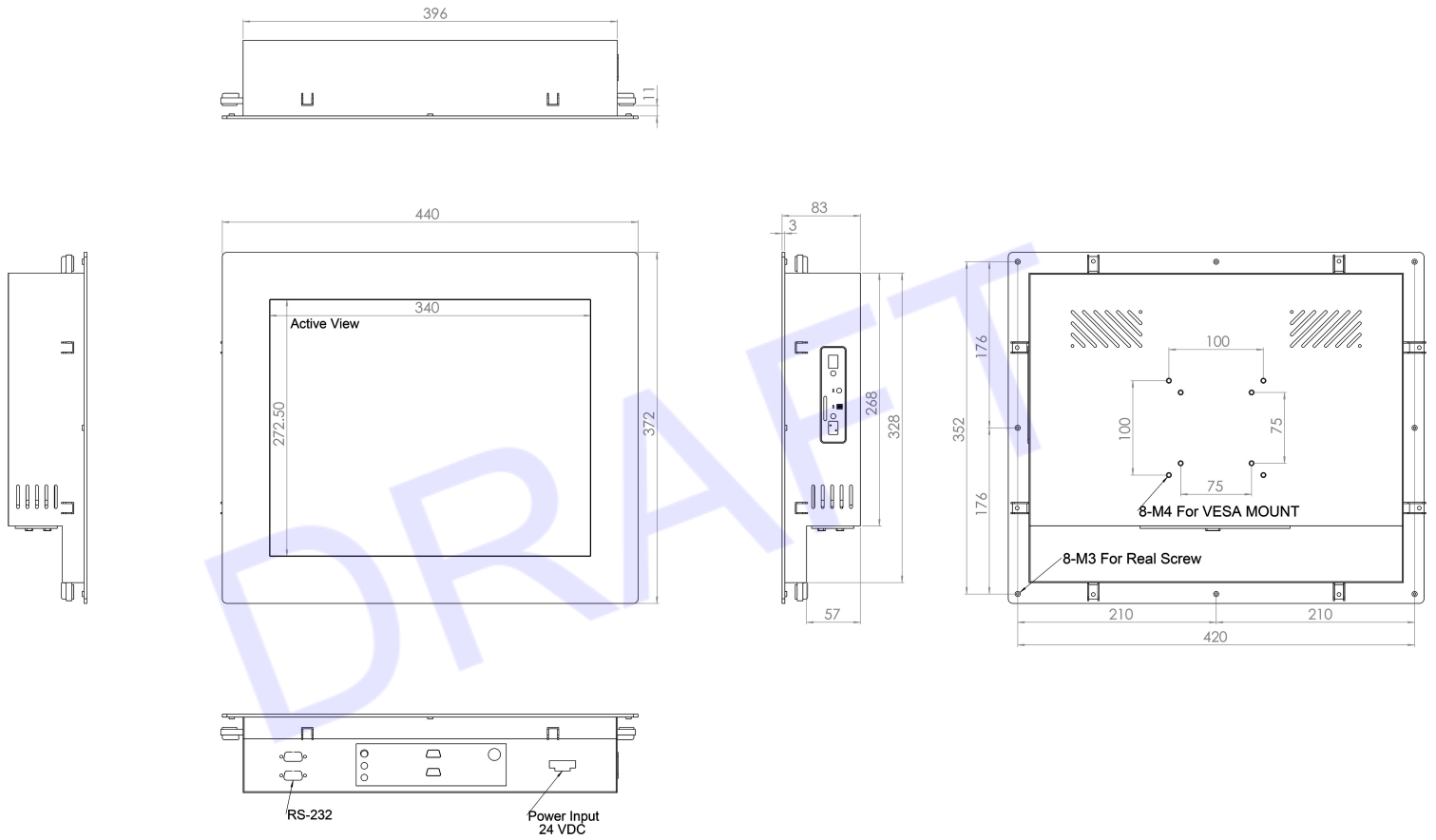- Thin mini ITX Form Factor(170mm X170mm)

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 ~ 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) Widows Server2012R2. Windows Server 2016, Windows Server 2019 Linux: Cent OS, Debian, Fedora, OpenSUSE, Ubuntu, pfSence, FreeNAS, RedHat

MECHANICAL DRAWING:

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

396

440

340

Active View

272.50

372

83

3

268

328

176

352

176

57

100

100

75

75

8-M4 For VESA MOUNT

8-M3 For Real Screw

210

210

420

RS-232

Power Input
24 VDC

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 (SiO²)	Hard Coated (SiO²)	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.
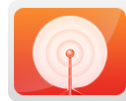
RS-232 Remote Control Options
Remote Control Protocol: Command Code to set system

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