FRONT IP65 PANEL MOUNT DESIGN TOUCH PANEL PC

5.7" Front IP65 LCD Monitor, 640x480, 500nits
with Intel Celeron 2.6GHz, 2GB RAM, SSD 16GB
Win 10 IoT 2019 LTSC

Model: CPM0570-J-TR-V2

FEATURES:

- **5.7" Industrial Panel / 640x480 / 500nits**
- **Panel Mount (with 3mm Front Bezel) / Clamp with VESA mount**
- **Resistive Touch / Front IP65**
- **Fanless Design**
- **All Black Powder Coating**
- **MF04V00 / J6412 (1.5M Cache, up to 2.6GHz Intel Celeron processor) / RAM 2GB / SSD 16GB**
- **12-24VDC input and 12VDC power adapter for testing with Terminal Block**
- **Win 10 IoT 2019 LTSC installation and label**

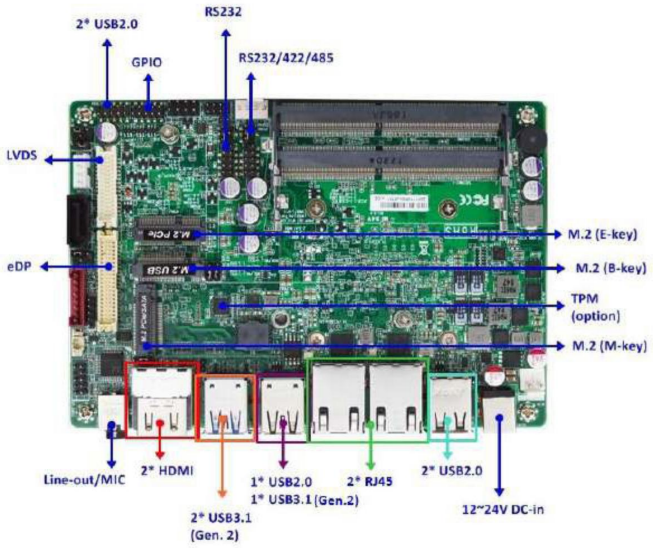
DISPLAY SPECIFICATIONS:

Display	Viewing Size Image	5.7"
	Active Display Area (mm)	115.2(H)x86.4(V)
	Pixel Pitch (mm)	0.18(H)x0.18(V)
	Resolution	640x480
	Contrast Ratio	800:1(typ.)
	Color	262K(6-bits)
	Brightness	500 cd/m2
	Viewing Angle	-80~80 (H) ; -70~70 (V)
	Recommended Resolution	640 x 480@60HZ, 75HZ
Power	Source	12-24VDC input and 12VDC power adapter for testing with Terminal Block
	Management	VESA DPMS Compliant

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

MF04V0X Motherboard:

- Intel Elkhart Lake SoC Processor
- 2* DDR4 3200MHz Dual Channel SO-DIMM up to 32GB
- 2* Intel i225V 2.5GbE
- 2* HDMI2.0b, 1* eDP (co-layout LVDS)
- 2* COM, 3* USB3.1 (Gen.2), 5* USB2.0
- 1* M.2 E-key 2230, 1* M.2 B-key 3042 W/SIM card slot
- 1* M.2 M-key 2242/2280, 1* SATAIII (6Gb/s); 64GB eMMC (default)
- Support 12~24V DC-in

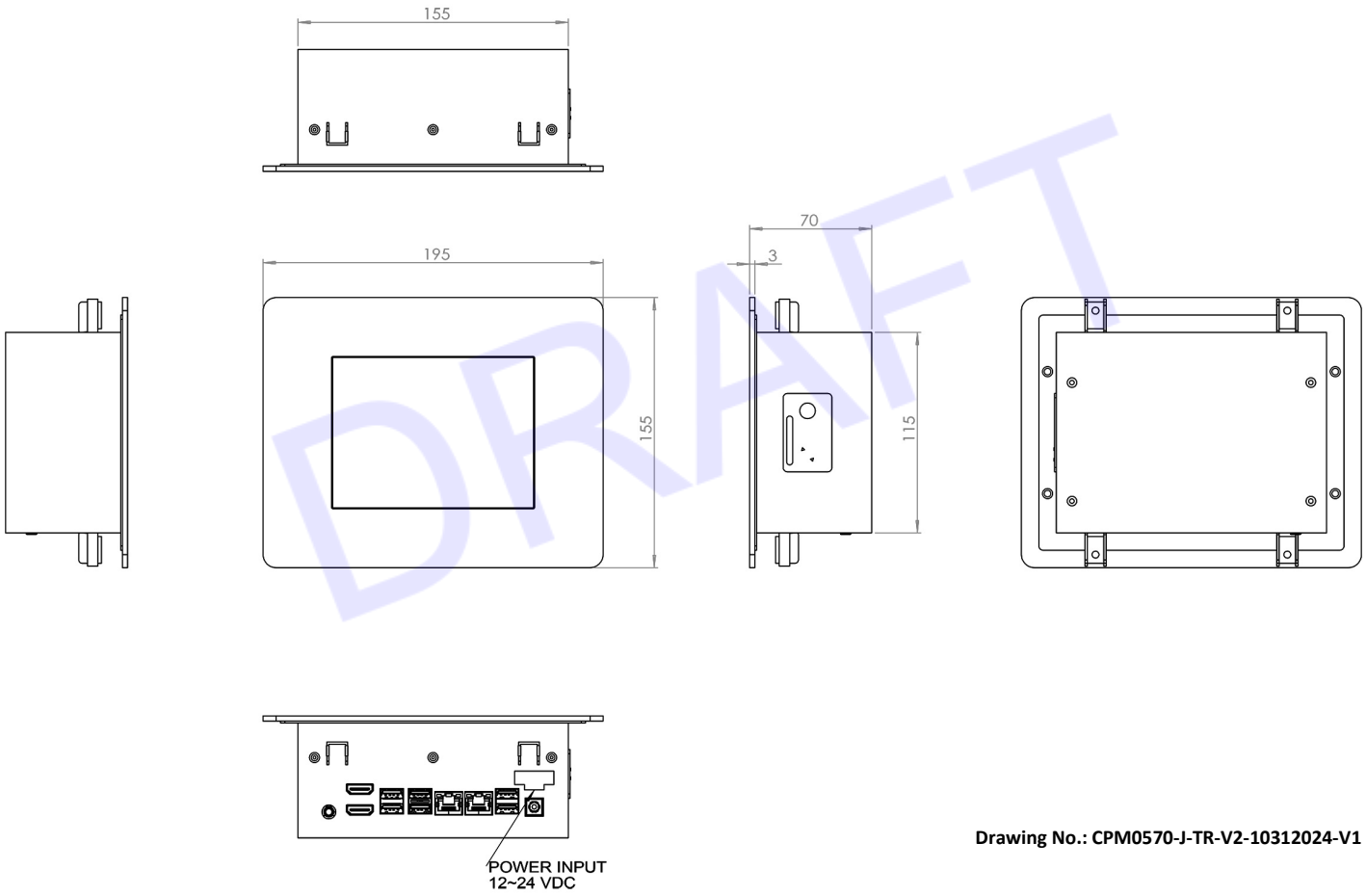


Modified Date: 10-31-2024

Processor System	Intel Elkhart Lake J6412 SoC Processor (TDP10W)
	AMI Flash ROM BIOS
Memory	2* SO-DIMM DDR4 3200MHz Dual Channel SDRAM up to 32GB
Ethernet	2* Intel® i225V 2.5GbE
Storage	1* SATAIII
	64GB onboard eMMC (MF04V04 & MF04V08)
	1* M.2 M-key (2242/2280) PCIe Gen.3 x2/SATA interface Support NVME
Rear I/O	3* USB3.1 (Gen.2), 3* USB2.0
	2* HDMI
	2* RJ45
	Line-out/MIC combo jack
	DC-in (12~24V)
Watchdog Timer	From Super I/O to drag RESETCON#
	256 segments (10sec ~ 255min)
Form Factor	3.5" (5.8-in * 4.0-in, 148 * 102mm)
Expansion Slot	1* M.2 B-key (3042) Support USB3.1/USB2.0 interface W/SIM card slot
	1* M.2 E-key (2230) Support USB2.0/PCIe Gen.3 x1 interface
Graphics	Intel® HD Graphics, shared memory
	1* eDP (Max Resolution: 4096x2160@60Hz)
	1* LVDS (Max Resolution: 1920x1080@60Hz)
	2* HDMI2.0b (Max Resolution: 4096×2160@60Hz)
Audio	2 channel HD audio: Realtek ALC888S
Integrated Storage	N/A
Internal Connector	2* USB2.0
	1* eDP (co-layout LVDS)
	1* LVDS w/ Inverter
	1* RS232, 1* RS232/422/485
	1* SATAIII
	1* SIM card slot (along with M.2 B-key)
	1* GPIO (8 bit)
	1* Audio Header
	1* SMBUS
	1* CPU FAN
	1* TPM2.0 onboard (MF04V02 & MF04V07)
Power	DC-IN 12~24V
	AT/ATX Supported
	- AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Temperature	
Operating	0°C ~ 60°C
Storage	-20°C ~ 85°C
Humidity	10% ~ 90% RH @40°C (non-condensing)
Compliance	CE, FCC, LVD, RoHS, REACH
OS Support	UEFI Win10 64-bit, Win 10 IoT Enterprise 64-bit LTSC 2019, CentOS (Version 9), Debian (Version 11.3), Fedora-LXDE (Version 36-1.5), Fedora Workstation (Version36-1.5), Fedora Server (Version 36-1.5), Open SUSE (Version 15.4), Ubuntu Standard / LTS (Version 22.04), Ubuntu Server (Version 22.04), pfSense (Version 2.6.0), TrueNAS (FreeNAS) (Version 13.0), RedHat Enterprise (Version 9.0), OPNSense (Version 22.1.2)

MECHANICAL DRAWING:

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



DRAFT

Drawing No.: CPM0570-J-TR-V2-10312024-V1