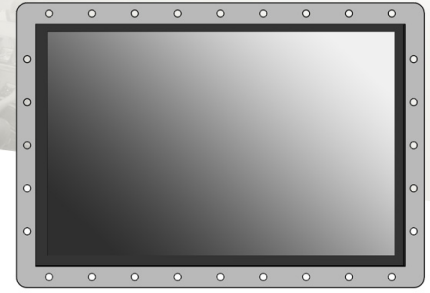


INDUSTRIAL OPEN FRAME MONITOR

7" 800x480 / 500nits, Industrial Panel Open Frame Fanless Design, JNF835V / i5-8365U (6M Cache, up to 4.10GHz, 8th Generation Intel Core i5 Processor) / RAM 4GB / SSD 256GB with Resistive Touch, I/O : USB (3.0) x4, LAN x2 and 12VDC/100-240VAC power adapter, Win 10 IoT 2019 LTSC
Panel Operating Temperature : -30 to 85 Celsius
But Motherboard (JNF835V) Operating Temperature is only 0 to 50 Celsius.



MODEL: COPW0700-i5-MN1-TR

FEATURES:

- 7" Industrial panel / 800 x 480 / 500nits
- Open Frame design
- JNF835V / i5-8365U (6M Cache, up to 4.10GHz, 8th Generation Intel Core i5 Processor) / RAM 4GB / SSD 256GB
- Fanless design
- Resistive Touch
- I/O : USB (3.0) x4, LAN x2 and 12VDC/100-240VAC Power Adapter
- Win 10 IoT 2019 LTSC

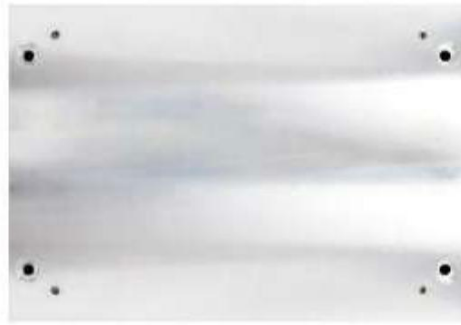
SPECIFICATIONS:

Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Active Area / Pixel Pitch	153.50(H) x 92.50(V) mm / 0.1905(H) x 0.1905(V) mm
	Native Resolution / Colors	800(H) x 480(V) / 262 K
	Brightness / Contrast	500 cd/m ² (typ) / 500 : 1
	Response Time	< 30 ms
	Viewing Angle (typical)	H. 130° (- 65° ~ + 65°) , V. 110° (- 60° ~ + 50°)
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
Power	Power Input	12VDC/100-240VAC Power Adapter
Operating Condition	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)
Dimensions	Physical	Please refer to Drawing
	Carton	W x H x D = TBD

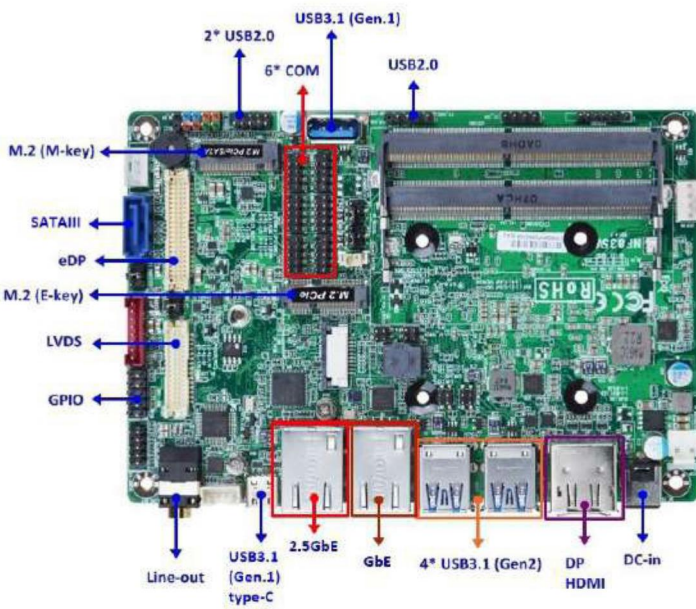
**Specifications subject to change without notice, not responsible for typographical errors.*

JNF835V MB Specifications

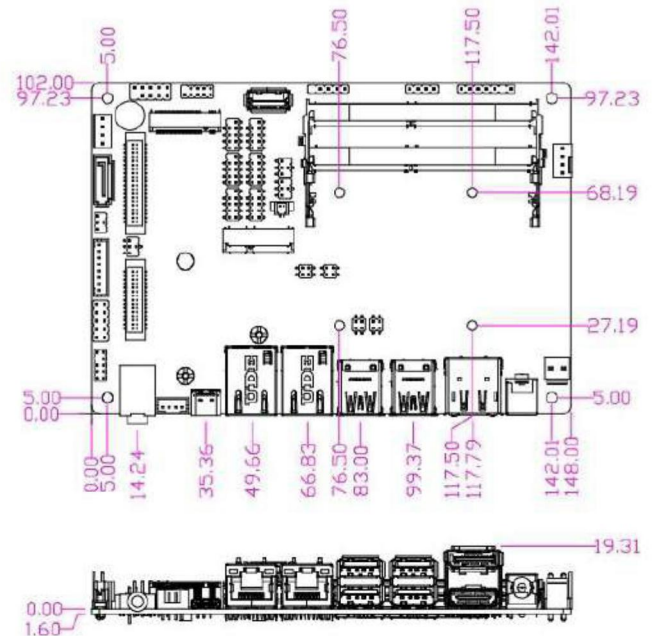
- Intel Whiskey Lake-U SoC Processor (TDP 15W)
- 2* DDR4 2400MHz SO-DIMM up to 64GB
- 1* GbE, 1* 2.5GbE
- 1* HDMI, 1* DP, 1* eDP, 1 * 24-bits Dual CH LVDS
- 6* COM (COM1 support RS232/422/485), 4* USB3.1 (Gen.2), 1* USB3.1 (Gen.2) for Type C, 1* USB3.1 (Gen.1) for Vertical type, 3* USB2.0
- 1* M.2 M-key (2242/2260/2280) support NVMe, 1* M.2 E-key (2230 w/ CNVi)
- 1* SATA III (6Gb/s)
- Support onboard TPM 2.0



I/O Diagram



Mechanical Drawings

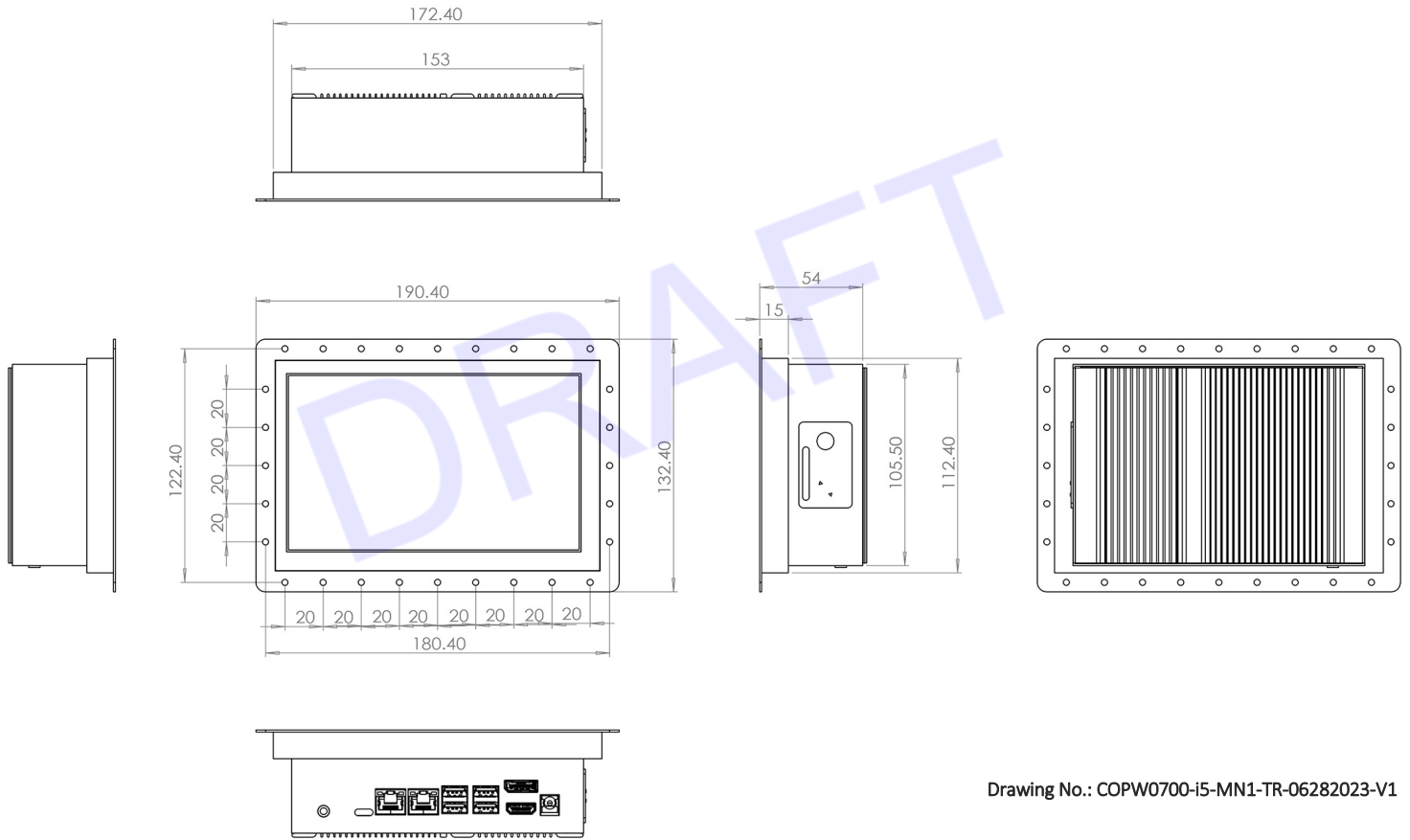


Model
JNF835V-8265U
Processor System
Intel® Whiskey Lake-U SoC Processor (TDP 15W)
AMI Flash ROM BIOS
Memory
2* SO-DIMM DDR4 2400MHz Dual CH SDRAM non-ECC up to 64GB
Ethernet
1* Intel i219LM GbE
1* Intel i225V 2.5GbE
Storage
1* SATAIII
M.2 M-key (2242/2260/2280) Support PCIe4(NVMe) & SATA interface
Internal Connector
1* USB3.1 (Gen.1) Vertical connector
3* USB 2.0
1* PS/2
1* LVDS / Inverter (selection w/eDP)
1* eDP (selection w/LVDS)
1* RS232/422/485
5* RS232
1* SATAIII
1* GPIO (8 bit)
1* Chassis intrusion
1* Audio Header
1* I2C
1* AT mode
Support onboard TPM2.0
Power
DC-IN 9-24V
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

Form Factor
3.5" (5.8-in * 4.0-in, 148 * 102mm)
Expansion Slot
M.2 E-key (2230) Support CNVi
Graphics
Intel® HD Graphics, shared memory
1* eDP (Max Resolution: 4096x2304@60Hz)
1* LVDS (Max Resolution: 1920x1200@60Hz)
1* HDMI 1.4 (Max Resolution: 4096x2160@30Hz)
1* DP (Max Resolution: 4096x2304@60Hz)
Support Triple Displays
Audio
6 channel HD audio: Realtek ALC888S
3W AMP speaker
Rear I/O
4* USB3.1 (Gen2)
1* USB3.1 (Gen2) Type C
1* DP
1* HDMI
2* RJ45
Line-Out
DC-IN (9-24V)
Watchdog Timer
From Super I/O to drag RESETCON#
256 segments (10sec ~ 255min)
Compliance
CE, FCC, LVD, RoHS, REACH
Warranty
2 Years Limited Warranty

MECHANICAL DRAWING:

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



Drawing No.: COPW0700-i5-MN1-TR-06282023-V1