IP65 FRONT PANEL PC (METAL-3MM)



8.4" Front IP65 Panel Mount (with 3mm Front Bezel) LCD Monitor, 800x600, 350nits with PCAP Touch, JNF3A-2930 / N2930 (2M Cache, up to 2.16GHz Intel Celeron Quad-Core processor) / RAM 4GB / SSD 256GB, Win 10 IoT 2019 LTSC

IP65

MODEL: CPM0840-J-TR-V2

FEATURES:

- 8.4" Industrial Panel / 800x600 / 350nits
- Panel Mount (with 3mm Front Bezel) / Clamp with VESA Mount
- P-CAP Touch / Front IP65
- All Black Powder Coating
- JNF3A-2930 / N2930 (2M Cache, up to 2.16GHz Intel Celeron Quad-Core Processor) / RAM 4GB / SSD 256GB
- 9-24VDC with Terminal Block and 12VDC with external 100-240VAC Power Adapter for Testing
- Win 10 IoT 2019 LTSC

LCD SPECIFICATIONS:

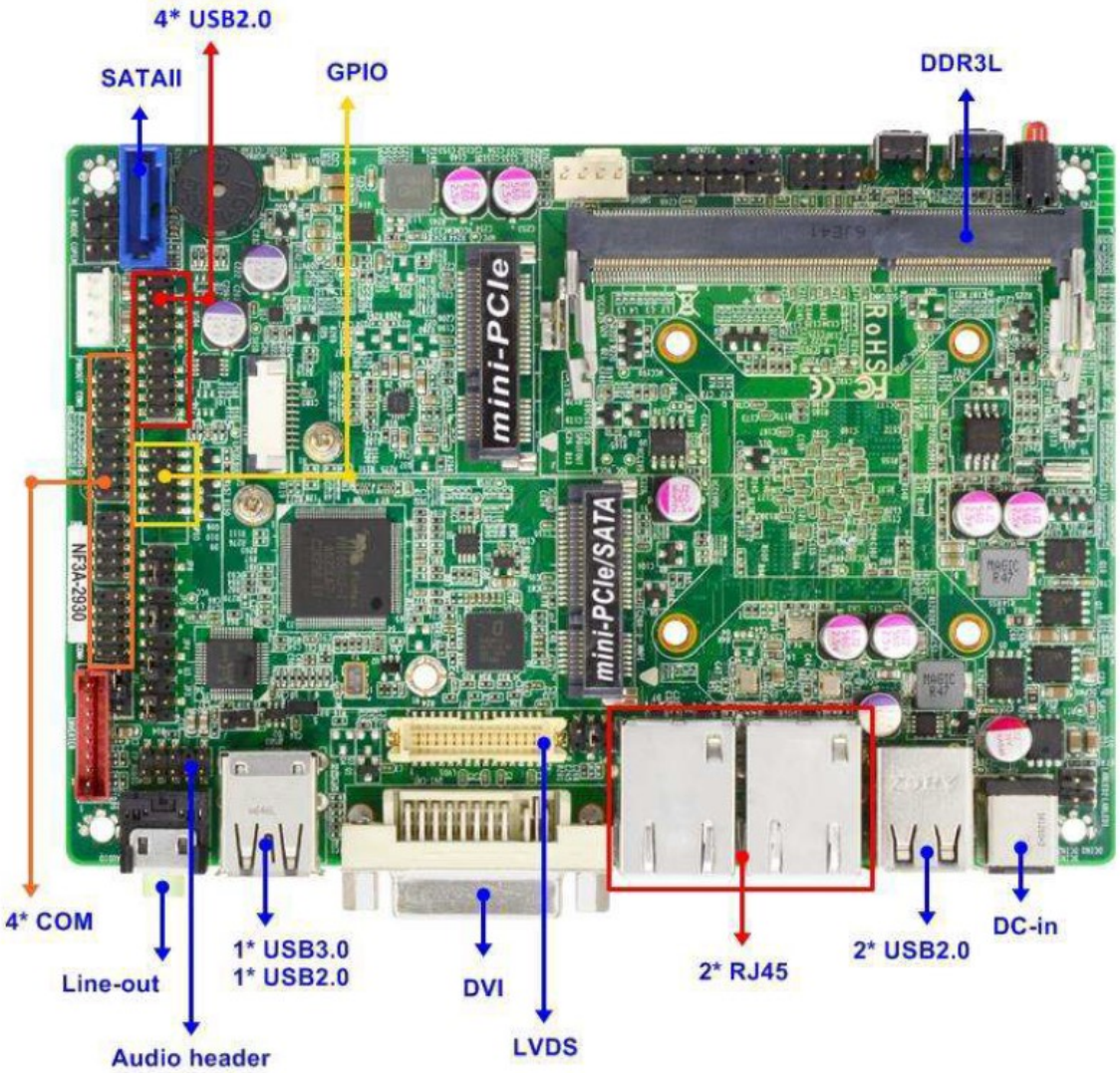
Panel	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	4 : 3 / 8.4" viewable diagonal area
	Active Area / Pixel Pitch	170.4(H) x 127.8(V) mm / 0.213(H) x 0.213(V) mm
	Native Resolution / Colors	800(H) x 600(V) / 262 K
	Brightness / Contrast	450 cd/m^2 (typ) / 600 : 1
	Response Time	< 30 ms
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80°) , V. 140° (- 70° ~ + 70°)
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
Power	Power Input	9-24VDC with Terminal Block and 12VDC with external 100-240VAC Power Adapter for Testing
	Power Consumption	20.68 Watt, <1 Watt
Operating Condition	Temperature / Humidity	-30°C ~ 80°C (-22°F ~ 176°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.

JNF3A-2930 MB Specifications



- Intel Bay Trail Series SoC Processor (Default: N2930)
- Support 1 * DDR3L 1333/1066MHz Single/Dual CH up to 4GB/8GB
- Support 1 * Serial ATAII (3Gb/s) Device
- Integrated Realtek ALC662 HD Audio CODEC with 2-CH
- 1 * 24-bits Dual Channel LVDS header
- Support DVI-I Output
- Supports 2 * Realtek RT8111G GbE
- Support CPU Smart FAN
- Support Watch Dog Timer 0~255 sec
- +9~24V DC-in PWR jack
- 148 x 102mm 3.5" SBC Form Factor



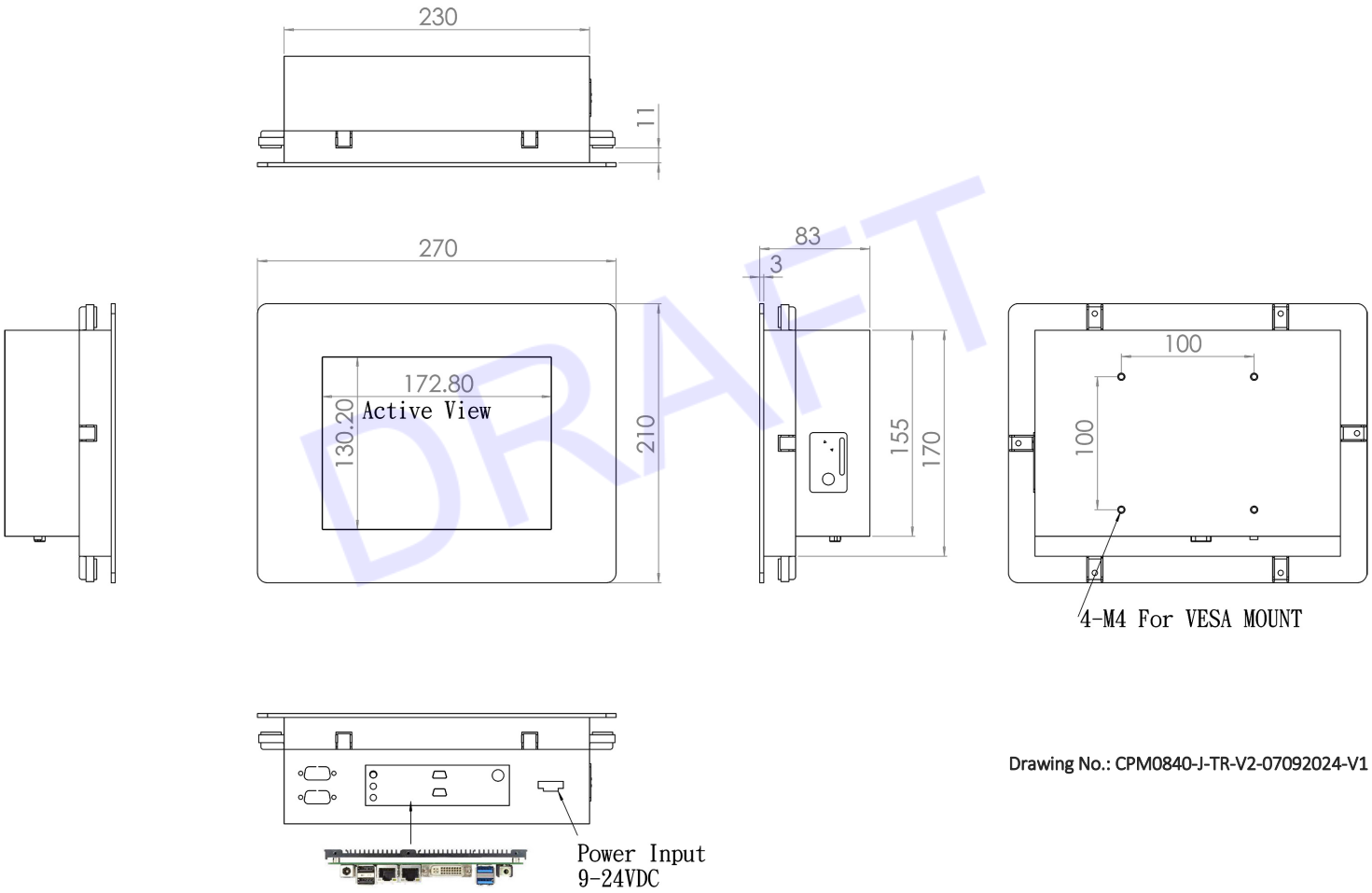
Modified: 07-08-2024

Form Factor	
Dimensions	- 3.5" SBC (148 * 102 mm)
Processor System	
CPU	- Intel® Bay Trail Series SoC Processor, Default: N2930
Core Number	- by CPU
Max Speed	- by CPU
L2 Cache	- by CPU
Chipset	- SoC
BIOS	- AMI 64Mb Flash ROM
Expansion Slot	
Mini-PCIe	- 1 (full size, shared with mSATA) + 1 (half size)
mSATA	- 1 (shared with full size Mini PCIe)
Memory	
Technology	-Single/Dual Channel DDR3L 1333MHz SDRAM (By CPU)
Max.	- 4GB/8GB
Socket	- 1 * SO-DIMM
Graphics	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
LVDS	- 1 * 24-bits Dual CH
DVI-I	- 1
Multi Display	- Yes (Dual Displays)
Ethernet	
Ethernet	- 10/100/1000 Mbps
Controller	- Realtek RTL8111G GbE
Connector	- 2 * RJ45
SATA	
Max Data Transfer Rate	- 1 * SATAII (3.0Gb/s)
Rear I/O	
DVI-I	- 1
Ethernet	- 2
USB	- 4 (3 * USB 2.0 + 1 * USB 3.0)
Audio	- 1 (Line -out)
DC-input	- 1

Internal Connector	
USB	- 4 (4 x USB 2.0)
PS/2	- 1
LVDS / inverter	- 1
Serial	- 4 (3 * RS232, 1 * RS232/422/485 with 5V/12V selectable header)
SATA	- 1 * SATAII (3.0Gb/s)
mPCIe	- 1 (full size, shared with mSATA) + 1 (half size)
mSATA	- 1 (shared with mPCIe)
GPIO 8-bit	- 4-in / 4-out
Chassis intrusion	- 1
Audio Header	- 1 (Line-out & MIC)
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 0,1,2…255sec/min
Power Requirements	
Input PWR	- +9~24V DC-in (2-pin PWR Con)
Power On	AT/ATX Supported - AT: Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
Certifications	
Certifications	- CE, FCC, RoHS, REACH
Environment	
Temperature	- Operating: -20°C ~ 60°C - Storage: -40°C ~ 70°C - Humidity: 10% ~ 90% RH @40°C (non-condensing)

MECHANICAL DRAWING:

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



Drawing No.: CPM0840-J-TR-V2-07092024-V1

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