

9U RACKMOUNT RACKMOUNT PANEL PC

FRONT IP65 9U Rack Mount, 19" LCD Monitor, 1280x1024
250nits w/ Front OSD with Handles
JNC8H-H310 / i3-8100T (9M Cache, up to 3.10GHz, 8th
Generation Intel Core i3 Processor) / RAM 4GB / SSD 128GB

Model: CRM1900-i3-TRM



FEATURES:

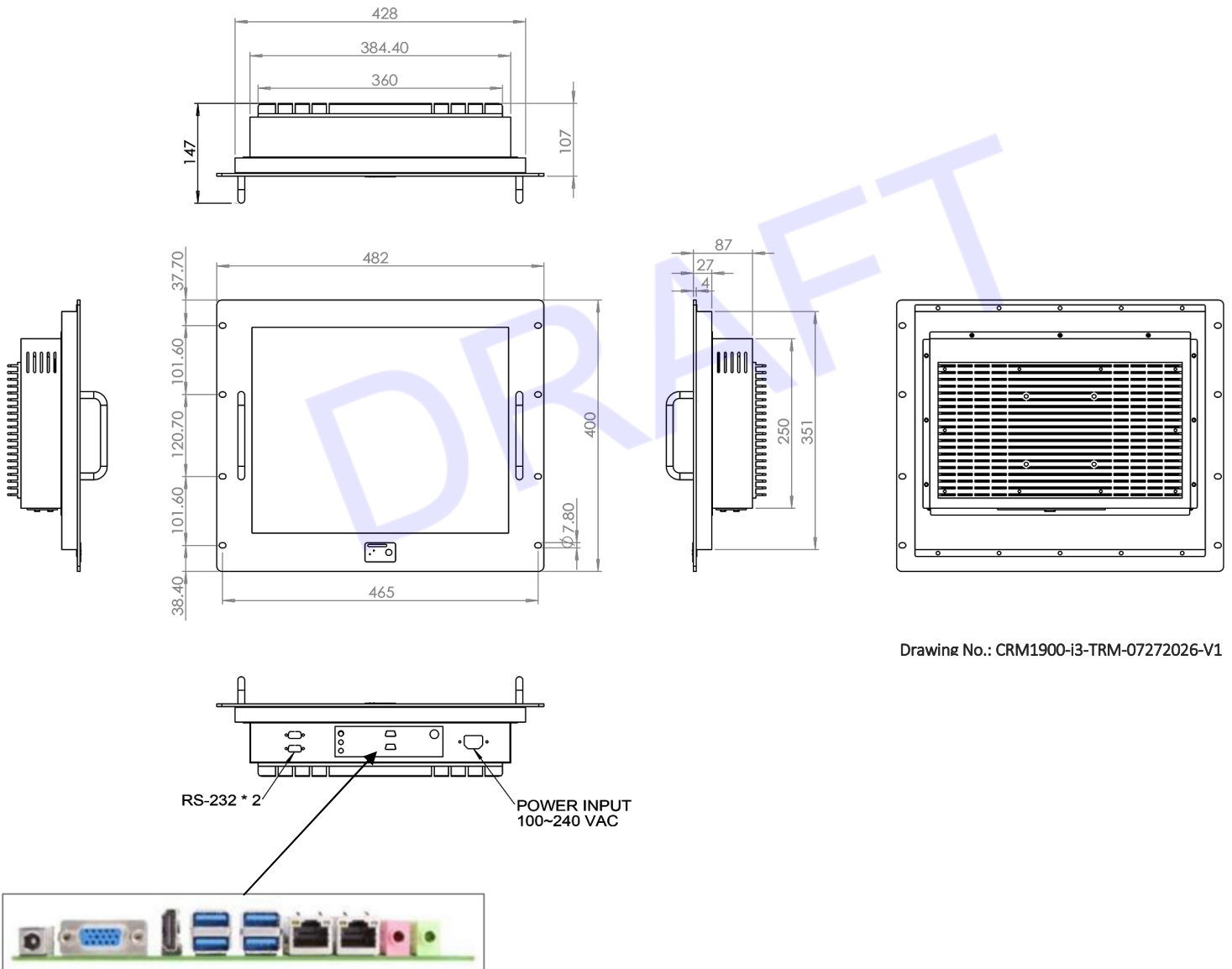
- 19" Industrial Panel / 1280 x 1024 / 250nits
- 9U Rack Mount (with 3mm front bezel) / Handles
- Resistive Touch / Front IP65
- All black powder coating
- Fanless Design
- JNC8H-H310 / i3-8100T (9M Cache, up to 3.10GHz, 8th Generation Intel Core i3 Processor) / RAM 4GB / SSD 128GB
- I/O: VGA x1, HDMI x1, LAN x2, USB x4, RS232 x2 and 100-240VAC power input
- Win 11 Pro 64bit installation

SPECIFICATIONS:

Display	Viewing Size Image	19"
	Active Display Area (mm)	378.4(H) x 303.2 (V)
	Pixel Pitch (mm)	0 .294 (H) x 0.294(V)
	Resolution	1280x1024
	Contrast Ratio	1000 : 1 (typ.)
	Color	16.7M (8bits/colors)
	Brightness	250 cd/m ²
	Viewing Angle	-85~88(H) ; -80~80 (V)
	Recommended Resolution	1280x1024 @ 60Hz
	Signal Connector	VGA x1, HDMI x1, LAN x2, USB x4, RS232 x2
Power	Source	100-240VAC power input
	Consumption	11.15W typical, normal operation
	Management	VESA DPMS Compliant

MECHANICAL DRAWINGS:

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



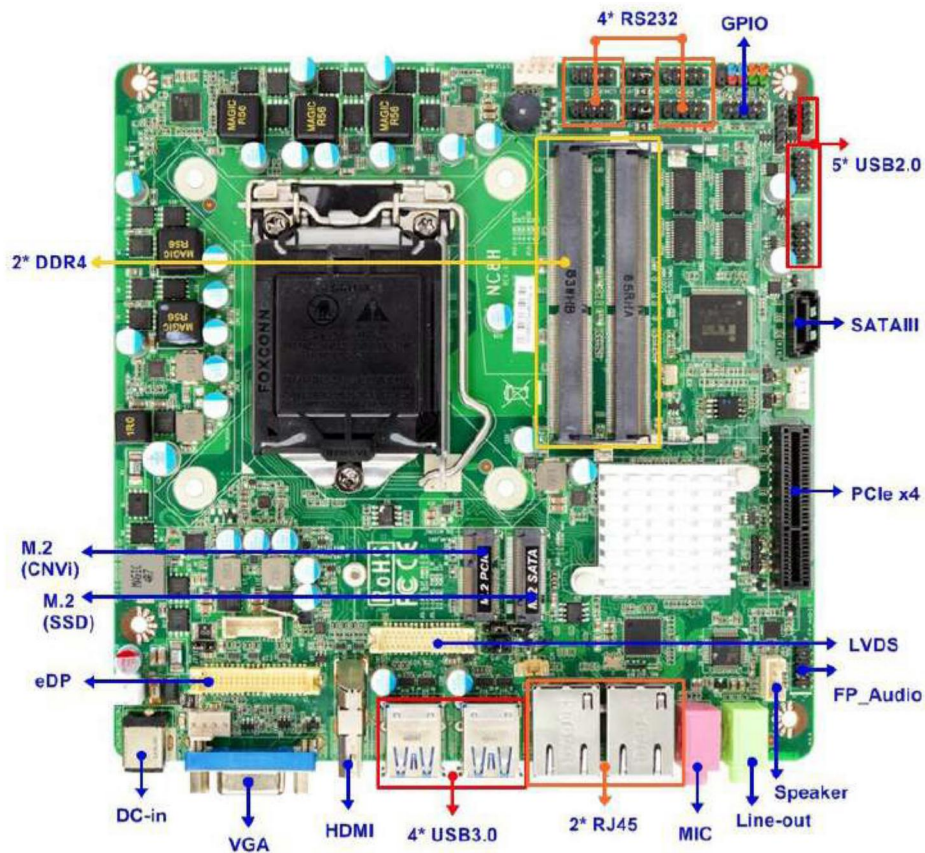
Drawing No.: CRM1900-i3-TRM-07272026-V1

MOTHERBOARD SPECIFICATIONS:



- Intel LGA1151 Socket Core i3,i5,i7 Pentium Processor (Max 65W)
- Intel Coffee Lake-S H310 Chip support 9th CPU
- Support Single Channel DDR4 2133MHz, up to 64GB
- Realtek ALC662VD Audio
- 1* Intel® 1219-V + 1* Intel® i211AT GbE
- 1* SATAIII (6Gb/s) & M.2 (M key 2242)
- HDMI/VGA/EDP (CO-lay LVDS) Output
- 4* RS232 (COM1/2 Support 5V/12V TTL), 4* External USB3.0, 5* Internal USB2.0
- 1* PCIe x4 Slot, 1* M.2 E key Support CNVi
- DC 12~24V Input
- Thin MINI ITX Form Factor (170 *170 mm)

INTERNAL DIAGRAM



Form Factor	
Dimensions	- Thin Mini ITX (170 * 170mm)
Processor System	
CPU	- Intel LGA1151 Series Processor (Max. 65W)
Core Number	- by CPU
Max Speed	- by CPU
L2 Cache	- by CPU
Chipset	-H310
BIOS	-AMI 128M Flash ROM
Expansion Slot	
M.2	-1 (E key 2230,Support CNVi)
SATA	-1
PCI-e	-1 * PCI-E x4 slot
Memory	
Technology	- Single channel DDR4 2133MHz DRAM
Max.	-64GB
Socket	-2*S O-DIMM
Graphics	
Controller	- Intel® HD Graphics
VRAM	- Shared Memory
VGA	-1 (Max. Resolution: 1920x1200@60Hz)
LVDS	-1 (Co-lay eDP, Max. Resolution: 1920x1080@60Hz)
eDP1.3	-1 (Co-lay LVDS, Max. Resolution: 4096x2304@60Hz)
HDMI 1.4	-1 (Max Resolution : 4096x2160@30Hz)
Multi Display	- Dual Display
Ethernet	
Ethernet	-10/100/1000 Mbps
Controller	- Intel® I219-V + i211AT Gigabit LAN
Connector	- 2* RJ 45
Audio	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- Line-Out, MIC
SATA	
Max Data Transfer Rate	-1* SATAN III (6.0Gb/s)
Rear I/O	
VGA	-1
HDMI	-1
Ethernet	-2
USB	- 4 * USB 3.0
Audio	-1 (Line-out, MIC)
DC-input	-1
Internal Connector	
USB	-5 (USB 2.0)
PS/2	-1
LVDS / inverter	-1 (Co-lay eDP)
eDP	-1
Serial	- 4 (COM1/2 Support 5V/12V TTL)
SATA	-1* SATAN III (6.0Gb/s)
M.2	- 2 (M key + E key)
GPIO	-1 (8 bit)
Chassis intrusion	-1
Audio Header	-1
SMBUS/I2C	-1
AT mode	-1
Watchdog Timer	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments (I/Osec ~ 255min)
Power Requirements	
Input PWR	-12 ~ 24V DC-in
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: 0°C~60°C - Storage: -20°C~85°C
Warranty	
Warranty	- 2 Years Limited Warranty
Packing	
Packing	- Net Weight: - Gross Weight: - Color Box dimension: 362*290.5*65mm