

# FRONT IP65 PANEL MOUNT PC (3mm Front Bezel)



10.4" Industrial Panel / 1024 x 768 / 500 nits Panel mount ( with 3mm front bezel ) / clamp mount and VESA mount, Resistive Touch / Front IP65 NC8H-H310 / i5-8500 / RAM 8GB / SSD 128GB, Power input : 9-36VDC with Terminal Block, 24VDC / 160W power adapter for test, Win 10 64 bit Pro

**MODEL: VPC1040CD-i5-C1**

## FEATURES:

- 10.4" Industrial Panel Mount
- Front IP65
- Intel i5-8500
- RAM 8GB / SSD 128GB
- JNC8H-H310 Motherboard
- Win 10 64 bit Pro

## SPECIFICATIONS:

<b>Panel</b>	Cell Type / Glass Surface	TFT LCD / Black Anti-Glare, low reflection coating
	Aspect Ratio / Size	4 : 3 / 10.4" viewable diagonal area
	Active Area / Pixel Pitch	210.4(H) x 157.8(V) mm / 0.2055(H) x 0.2055(V) mm
	Native Resolution / Colors	1024(H) x 768(V) / 16.2 M
	Brightness / Contrast	500 cd/m <sup>2</sup> (typ) / 600 : 1
	Response Time	< 25 ms
	Viewing Angle (typical)	H. 160° (- 80° ~ + 80° ) , V. 140° (- 70° ~ + 70° )
	Light Source	LED backlight, Long life, 35,000 hrs (typ)
<b>Power</b>	Power Input	9-36VDC with Terminal Block w/ 24VDC / 160W Power Adapter for Test
	Power Consumption	29.5 Watt, <1 Watt
<b>Operating Condition</b>	Temperature / Humidity	0°C ~ 50°C (32°F ~ 122°F) , 10% ~ 90% (no condensation)
<b>Dimensions</b>	Physical	Please refer to Drawing
	Carton	W x H x D = TBD

<b>Options</b>	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

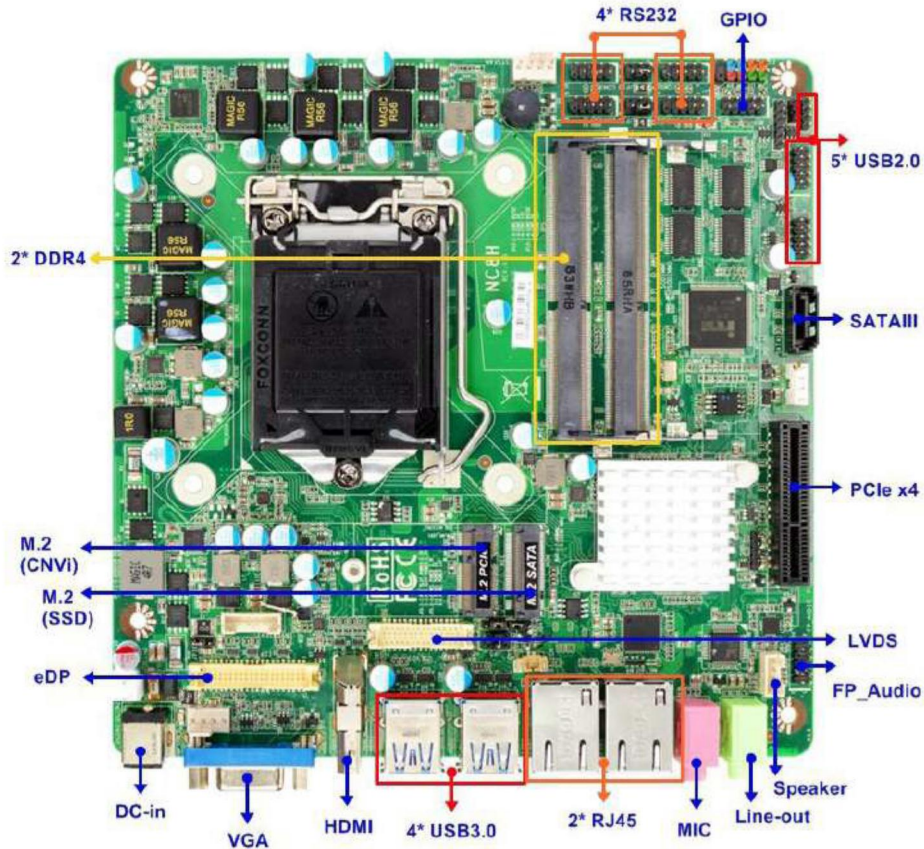
*\*Specifications subject to change without notice, not responsible for typographical errors.*

## MOTHERBOARD SPECIFICATIONS:



- Intel LGA1151 Socket Core 13,15,17 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



<b>Form Factor</b>	
Dimensions	- Thin Mini ITX ( 170 * 170mm)
<b>Processor System</b>	
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
<b>Expansion Slot</b>	
M.2	-1 (E key 2230,Support CNVi)
SATA	-1
PCI-e	-1 * PCI-E x4 slot
<b>Memory</b>	
Technology	- Single channel DDR4 2133MHz DRAM
Max.	-64GB
Socket	-2*S.O-DIMM
<b>Graphics</b>	
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
<b>Ethernet</b>	
Ethernet	-10/100/1000 Mbps
Controller	- Intel® 1219-V + i211AT Gigabit LAN
Connector	-2* RJ 45
<b>Audio</b>	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- Line-Out, MIC
<b>SATA</b>	
Max Data Transfer Rate	-1* SATAIII (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* SATAIII (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 (IOsec ~ 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
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#### Environment

Temperature	- Operating: 0°C~60°C - Storage: -20°C~85°C
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#### Warranty

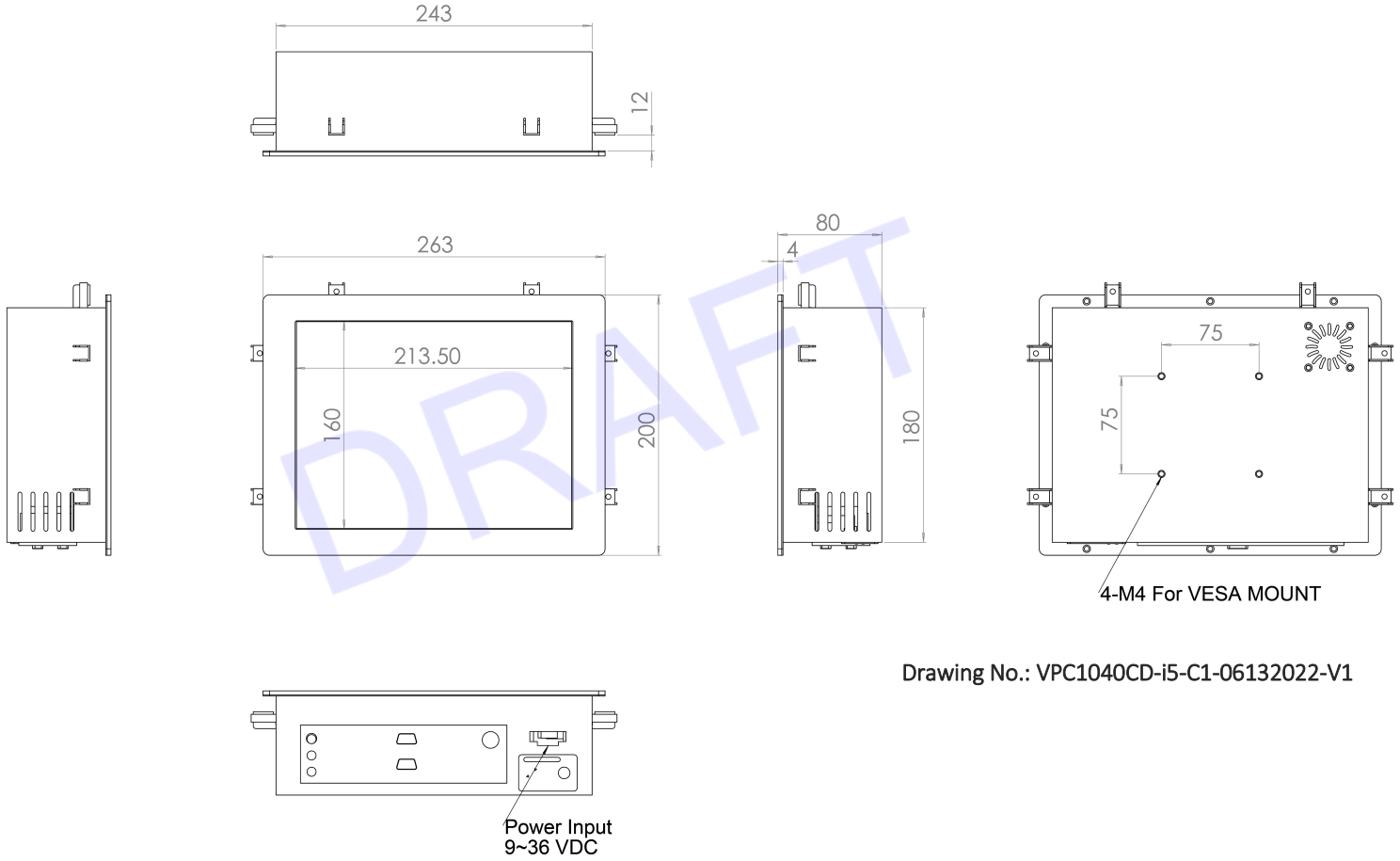
Warranty	- 2 Years Limited Warranty
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#### Packing

Packing	- Net Weight: - Gross Weight: - Color Box dimension: 362*290.5*65mm
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# MECHANICAL DRAWING:

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



Drawing No.: VPC1040CD-i5-C1-06132022-V1