

# P-V1989D-MT

19" IP65/IP69K Stainless Steel Panel PC

with Intel Pentium N4200 / Core i 8th. Gen. CPU



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Computer for Industry



## Features /

- 19" New Generation Stainless Steel Panel PC
- Intel Pentium N4200/ Core-I 8th. Gen. Onboard Processor, Quad Core
- True Flat Front Bezel Design and Grade 304 Stainless Steel Enclosure (Grade 316 for Option)
- IP65/IP69K Rated with M12 Connectors
- Support Resistive Touch, Projected Capacitive Touch, and Glass
- Touch on/off Button on the Side Edge for Hygienic Cleaning
- Support Ergonomic Versatile Mounting: Yoke Mounting / Space-saving VESA 100 mm Mounting



## Specifications

### System

Processor	Onboard Intel Pentium N4200 Processor, 2.5GHz, 4 Core, 2MB Onboard Intel Core i3-8145U Processor, 3.7GHz, 2 Core, 4MB Onboard Intel Core i5-8265U Processor, 3.9GHz, 4 Core, 6MB
System Chipset	SoC
System Memory	Onboard DDR 4L RAM Socket upto 16GB
RFID Module	RFOptional

### Outside I/O Port-Standard M12 I/O Connector on the rear

USB	1 x M12 8-pin for USB 2.0 with waterproof cap
Serial/Parallel	1 x M12 8pin for COM 1, RS-232/422/485, Default RS-232, with waterproof cap
LAN	1 x M12 8pin for LAN with waterproof cap ( 2 x as Option )
Power	1 x M12 3pin DC Power with waterproof cap 1 x Power Switch on the rear side
Others	mPCIe, M.2 free Socket to add on
Option	2 x optional blank M12 connectors with waterproof cap for selecting two from the following options: 2 x USB 2.0 via Cable 1 x USB 3.0 via cable 1 x LAN via cable 1 x COM Port via Cable

### Storage Space

HDD	1 x 2.5" HDD / SSD
Movable device	1 x Micro SD slot

### Expansion

Expansion Slot	1 x Mini PCIe slot for WIFI/BT (optional)
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Display	Standard	High Brightness optional
Display Type	19" color TFT LCD	19" color TFT LCD
Max. Resolution	1280 x 1024	1280 x 1024
Max. Color	16.7M	16.7M
Luminance (cd/m <sup>2</sup> )	350	1000
View Angle	170(H) / 165(V)	170(H) / 160(V)
Contrast	1000:1	1000:1
Backlight Lifetime	50,000 Hrs	50,000 Hrs
Option	Optical Bonding	Optical Bonding

Touch Screen	PCT	Glass	Resistive
TS Control IC	Chip on tail	NA	Chip on tail
Interface	USB interface	AR	USB interface
Light Transmission	Over 90%	Over 90%	Over 80%



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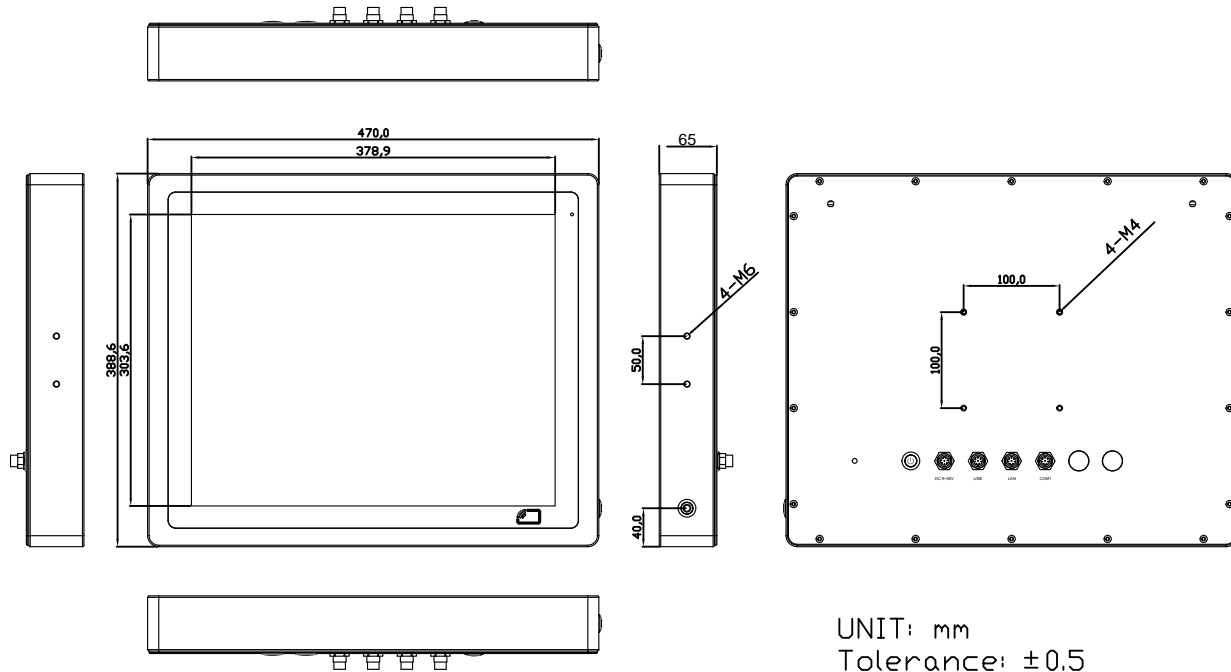
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## Dimensions



### Power

Power input	12~24V DC
Power Consumption	MAX:TBD(1998D-MT-3)

### Mechanical

Color	304 Stainless Steel Enclosure (Default) 316 Stainless Steel Enclosure (Optional)
Construction	Stainless steel enclosure
Mounting	VESA mount 100 x 100, Yoke mount
IP Rating	IP65/IP69K
Dimension	470 x 388.6 x 65 mm
Net Weight	12.5 Kg

### Environmental

Operating temperature(°C)	-20~50°C
Storage temperature(°C)	-30°C~70°C
Storage humidity	10 to 90% @ 40°C, non-condensing
Certification	CE/FCC class A

### Operating System Support

Windows 7 Embedded Enterprise, Windows Embedded Standard 7,  
Windows® 10 (64-bit) / Windows® 10 IoT Enterprise / Linux  
Windows 11 Pro, diverse Linux OS

### Ordering information

V1989D-MT-5	19" i5-8265U CPU, PCT Touch
V1989D-MT-3	19" i3-8145U CPU, PCT Touch
V1989D-MT-P	19" Pentium N4200 CPU, PCT Touch