

# ER-P19W



## FEATURES

- ◆ 19" Intel® Processor Core™ Alder Lake 12th Gen i3/i5/i7 & N-series N97
- ◆ Industrial display screen, multi point capacitive touch screen
- ◆ 2\*SO-DIMM DDR4 (up to 64GB supported, max 16GB for N97)
- ◆ 2\*USB 3.0+2\*USB 2.0
- ◆ 1\*RS232 Optional additional 3\*RS232/485/422 on TOP  
(Max 2\*RS485 or 1\*RS485+1\*RS422)
- ◆ 1\*HD/1\*VGA/2\*RJ45/2\*Audio
- ◆ Fanless design

# Specification

## System Hardware

CPU	Intel® Processor Core™ 12th Gen i3/i5/i7
Watchdog	0-255 seconds/grading implemented through system software
Memory	DDR4 (optional 8/16/32/64GB,max 16GB for N97)
Storage	M.2 2280 NVME SSD (optional 128/256/512GB/1T/2T/4T)

## Display

LCD Type	19"
Touchscreen Type	1440*900
Max. Resolution	19" Multi point capacitive touch screen
Luminance	300 cd/m2
Contrast Ratio	1000: 1

## OS

OS	Windows 10/11, Ubuntu
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## I/O Interface

USB	2*USB3.2, 2*USB2.0(optional USB3.0)
Serial port	1*RS232 Optional additional 3*RS232/485/422 on TOP (Max 2*RS485 or 1*RS485+1*RS422)
LAN	2*1Gbe RJ45(Realtek)
GPIO	Customizable 4in+4out+VCC+GND
Audio	1*Line out, 1*MIC in
Video	1*HDMI, 1*VGA
Expansion Slot	Optional dual band WIFI/BT, optional 4G/5G communication
SIM Card	Optional with 4G/5G

## Power

Power Input	Standard Phoenix terminal (Optional Auto power on & 9-36V wide voltage input)
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## Environment

Vibration Protection	5-17Hz/1.0mm amplitude; 17-200Hz/1.0g acceleration
Shock Protection	10g acceleration, 11ms cycle
Reliability	MTBF ≥ 30000h; MTTR ≤ 0.5h
Operating Temp.	-10~60 Degree, Surface air flow
Storage Temp.	-20~70 Degree
Humidity	95% @ 40 Degree, no condensation
IP Rating	Front panel IP65

## Mechanical

Dimension (WxHxD)	472.4mm*319.3mm*53.1mm
Weight	5.7kg/6.3kg(N.W./G.W.)
Color	Black
Material	All metal fanless design
Mounting	VESA Installation: 75*75mm/100*100mm Embedded Installation: 459.6mm*306.5mm



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