



## Features /

- 19" TFT-LCD
- Intel Skylake Core i3 / i5 Processor
- SUS 316 Stainless Steel
- Total IP66 Grade with M12 Waterproof Connector
- Variety of IO applications
- Wide range DC 9~36V Power Input
- Support Panel Mount & VESA Mount
- Support Projected Capacitive Touch
- Full Flat Bezel and Fanless Design
- ATEX Zone2, IECEx and C1D2 Certified

## Specifications /

System	
CPU	Onboard 6th Gen Intel Core Core i3/i5 processor
System Chipset	SoC
Memory	1 x 260-pin SO-DIMM up to 16GB DDR4 2133MHz

IO Port	
USB	1 x M12 8-pin for 2 x USB 2.0 with waterproof cover and chain
Serial / Parallel	1 x M12 8-pin for COM1, RS-232/422/485, default RS-232, with waterproof cover and chain
LAN	2 x M12 8-pin for LAN with waterproof cover and chain
Graph	1 x M12 8-pin for VGA with waterproof cover and chain
Power	1 x M12 3-pin for DC power connector with waterproof cover and chain

Storage Space	
HDD	1 x 2.5" HDD or SSD space 1 x mSATA space
Movable Device	1 x Internal SD Card

Expansion	
Expansion Slot	1 x Mini-PCIe (full size)

Display	Standard	High Brightness Optional
Display Type	19" TFT-LCD	19" 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) /160(V)	170(H) /160(V)
Contrast	1000:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs

Touch Screen	
Type	Projected Capacitive Touch
Interface	USB
Light Transmission(%)	90%

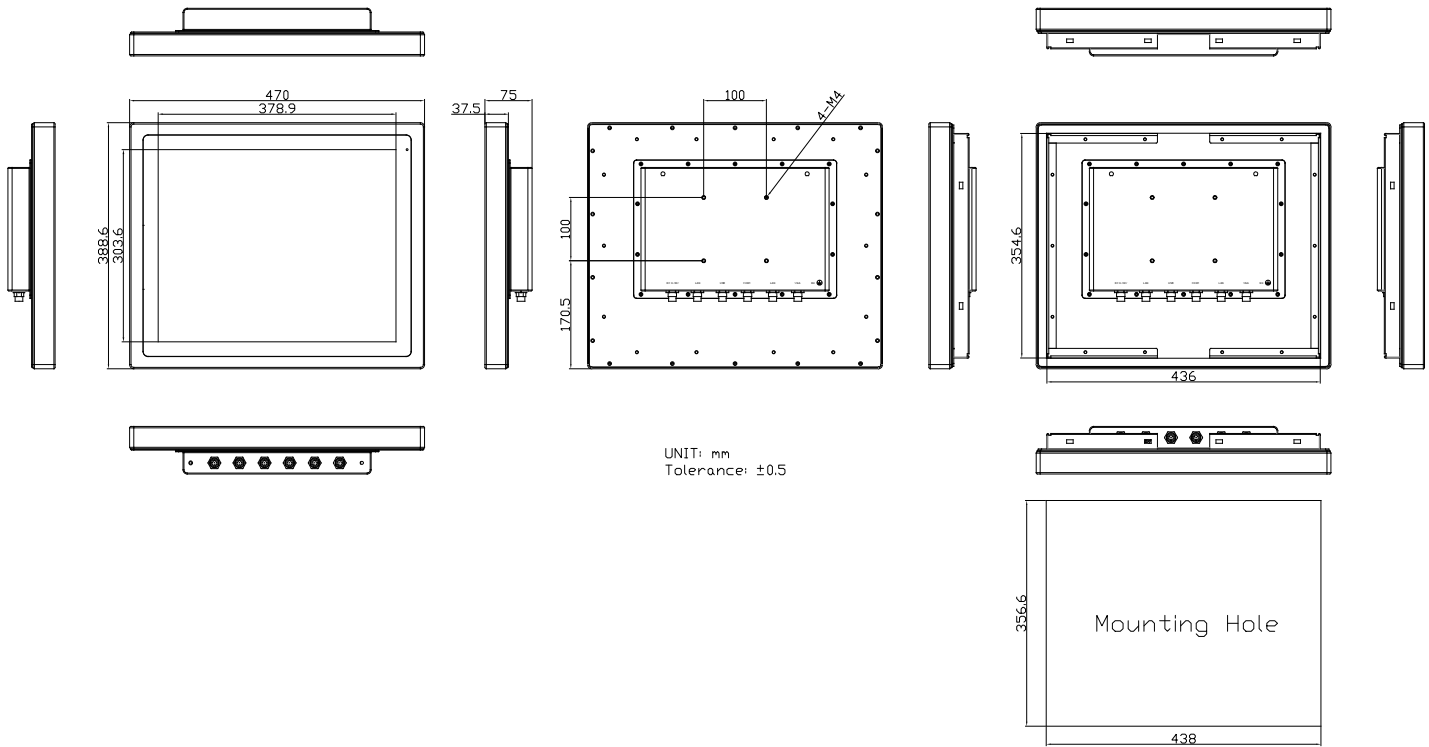
Power	
Power Input	DC 9~36V
Power Consumption	P1920-AEX: 31W



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# Dimensions



Mechanical	
Construction	316 stainless steel chassis
Mounting	VESA mount 100 x 100, Panel mount (option)
IP Rating	Total IP66
Dimensions	470 x 388.6 x 75 mm
Net Weight	13.2 / 13.4 kg

Environmental	
Operating Temperature	-20~60°C
Storage Temperature	-30~70°C
Storage Humidity	10 to 90% @ 40°C, non- condensing
Safety	Meet CSA C22.2 No.61010
Certificate	Meet CE / FCC Class A, ATEX Zone2 Ex nA ic IIC T4 Gc Class I, Division2, Group ABCD T4 ANSI/ISA 12.12.01-2013 CSA Std. C22.2 No213-1987

Operating System Support	
Windows embedded 7	
Windows embedded 8.1	
Windows 10 IoT ENT LTSC	

Ordering Information	
AEX-1920P	19" SXGA Fanless PC with Intel 6th Core i Processor, 1 x SO-DIMM DDR4 slots, Projected Capacitive touch, DC 9~36V power input, SS316
AEX-1920PH	19" SXGA Fanless PC with Intel 6th Core i Processor, High brightness, 1 x SO-DIMM DDR4 slots, Projected Capacitive touch, DC 9~36V power input, SS316