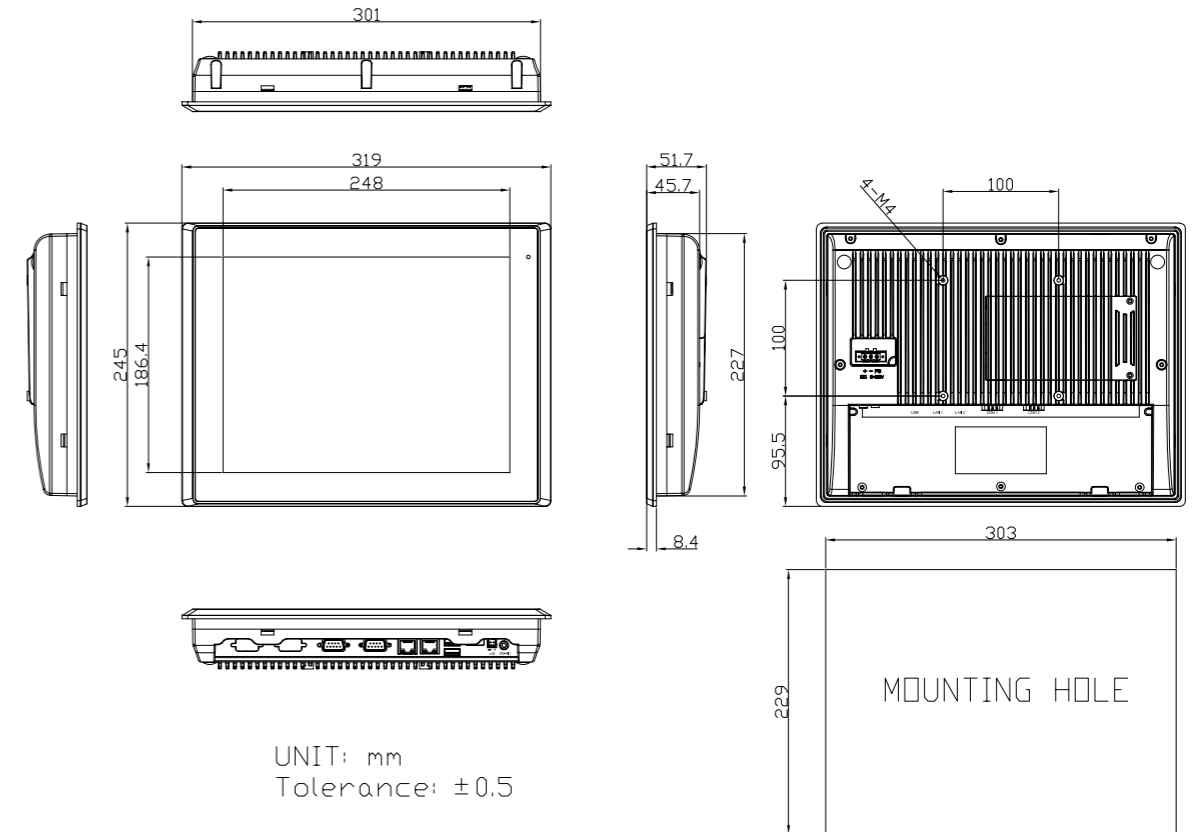## Features

- 12.1" Industrial Compact Size Panel PC
- Intel Celeron N2930(1.83GHz) CPU built-in / Atom E3845(1.91GHz) for option
- Onboard 4GB DDR3L 1333MHz/8GB(option)
- Flat Front Panel Touch Screen and Fanless Design
- DC 9~36V Wide-Ranging Power Input
- IP66 Compliant Front Panel
- Optional Projected Capacitive Touch Screen Support 7H Anti-Scratch Surface
- High Brightness 1,000 nits for Option

Specifications

System	
CPU	Onboard Intel Celeron N2930(1.83GHz) Onboard Intel Atom E3845(1.91GHz) for option
System Chipset	SoC
Memory	Onboard 4GB DDR3L 1333MHz/8GB(option)

I/O Port	
USB	2 x USB 3.0 type A
Serial / Parallel	1 x DB-9 RS-232/422/485, COM1 (Default RS-232) 1 x RS-232 DB-9, COM2
Audio	1 x Audio Line Out
LAN	2 x GbE LAN RJ-45
Power	1 x 3-pin DC power input terminal 1 x 2-pin connector for power on/off button
Option	2 x RS-232 DB-9 + 1 x Mini-PCIe slot via TB-528C2ME1 2 x CAN bus via TB-528CAN2 2 x USB 2.0 type A Via TB-528U2 2 x USB 2.0 type A + 1 x Mini-PCIe slot + 1 x RS-232 DB-9 + 1 x Power button via TB-528C1U2P1 UPS Battery 21W/10.8W/1.95Ah(3S1P) *UPS Battery and TB-528 expansion board can't be used in the same time*

Storage Space	
HDD	1 x 2.5" SATA3 HDD bay for SATA HDD (Easy Accessible)
Movable Device	1 x SD card slot, up to 32GB

Expansion	
Expansion Slot	1 x Internal Mini-PCIe slot full size

Dispalay	Standard		High Brightness Optional	
Display Type	12.1" TFT-LCD		12.1" TFT-LCD	
Max. Resolution	800 x 600	1024 x 768	800 x 600	1024 x 768
Max. Color	16.2M	262K	16.2M	262K
Luminance (cd/m^2)	450	500	1000	1000
View Angle	160(H)/140(V)	160(H)/140(V)	160(H)/140(V)	170(H)/170(V)
Contrast	800:1	700:1	800:1	700:1
Backlight Lifetime	50,000 hrs	30,000 hrs	50,000 hrs	70,000 hrs

Touch Screen	
Type	Resistive Touch Window Projected Capacitive Touch (For P Model)
Interface	USB
Light Transmission(%)	Resistive Touch Window: over 80% Projected Capacitive Touch: over 90%

Power	
Power Input	DC 9~36V
Power Consumption	ARCHMI-812P: 29W

Dimensions

301
319
248
245
186.4
51.7
45.7
8.4
100
227
100
95.5
303
229
MOUNTING HOLE

UNIT: mm
Tolerance: ±0.5

Mechanical	
Color	RAL 9007
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
Dimensions (WxHxD)	319mm x 245mm x 51.7mm
IP Rating	IP66 Compliant Front Bezel
Net Weight	2.9 kg

Environmental	
Operating Temperature	0~50˚C
Storage Temperature	-30~70˚C
Storage Humidity	10 to 90%@ 40˚C, non-condensing
Certificate	CE/FCC Class A/CB/UL

Operating System Support	
Windows 7, WEC 7, Windows 8.1, Windows 10	

Ordering Information	
ARCHMI-812-01	12.1" SVGA Fanless HMI barebone with Intel Celeron N2930 1.83GHz CPU, 4GB DDR3L RAM, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis
ARCHMI-812P-01	12.1" SVGA Fanless HMI barebone with Intel Celeron N2930 1.83GHz CPU, 4GB DDR3L RAM, Projected capacitive touch screen, DC 9~36V input with adapter, Aluminum chassis
ARCHMI-812H-01	12.1" SVGA Fanless HMI barebone with Intel Celeron N2930 1.83GHz CPU, 4GB DDR3L RAM, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis, High brightness 1,000nits LCD
ARCHMI-812PH-01	12.1" SVGA Fanless HMI barebone with Intel Celeron N2930 1.83GHz CPU, 4GB DDR3L RAM, Projected capacitive touch screen, DC 9~36V input with adapter, Aluminum chassis, High brightness 1,000nits LCD

V 1.9