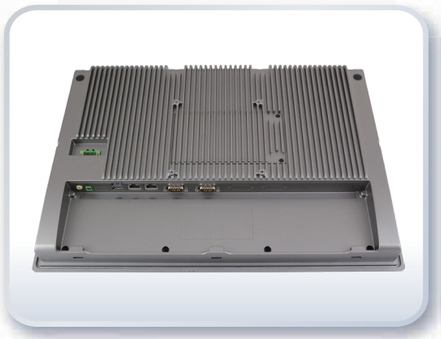


Features

- 18.5” Industrial Compact Size Panel PC
- Intel 6th Gen. Core i3(standard) / i5(option) CPU built-in
- 1 x 260Pin SO-DIMM DDR4 up to 16GB 2400MHz
- Flat Front Panel Touch Screen
- Fanless Design
- DC 9~36V Wide-Ranging Power Input
- Optional Projected Capacitive Touch Screen Support 7H Anti-Scratch Surface
- High Brightness 1,000 nits for Option

Specifications

System	
CPU	Onboard Intel 6th Gen. Core i3 CPU Processors/ i5(option)
System Chipset	SoC
Memory	1 x 260Pin SO-DIMM DDR4 up to 16GB 2400MHz

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 Power Switch
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 + 1 x Mini-PCIe slot + 1xRS-232 DB-9 via TB-528C1U2P1 2 x USB 2.0 type A Via TB-528U2 UPS battery 21W/10.8V/1.95Ah(3S1P)

Storage Space	
HDD	1 x 2.5" SATA HDD bay for SATA3 HDD (Easy Accessible)

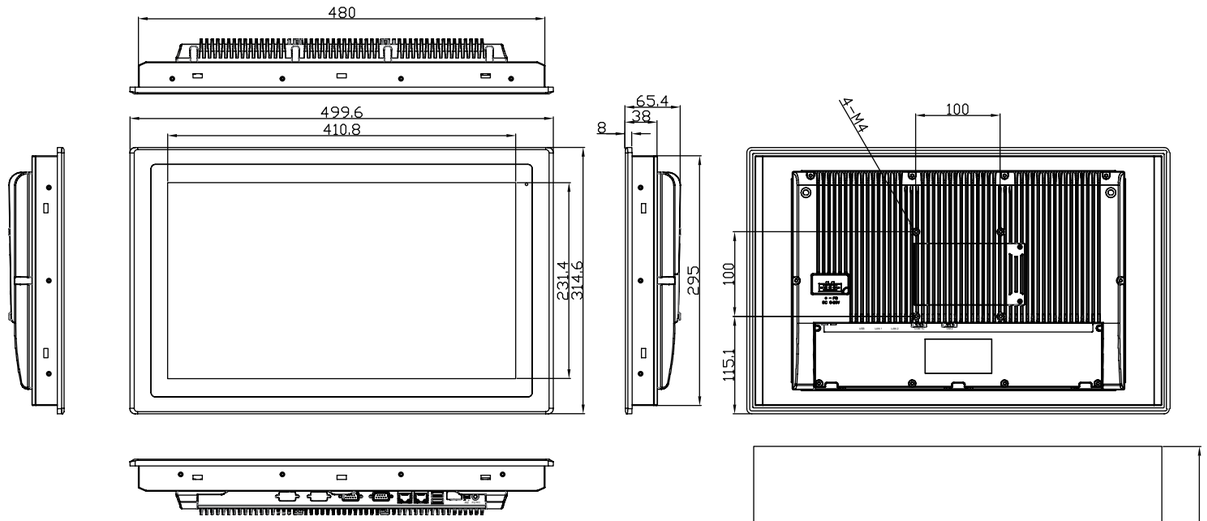
Expansion	
Expansion Slot	1 x Internal Mini-PCIe slot full size

Dispalay	Standard	High Brightness Optional
Display Type	18.5” TFT LCD	18.5” TFT LCD
Max. Resolution	1366 x 768 1920 x 1080 (optional)	1366 x 768
Max. Color	16.7M	16.7M
Luminance (cd/m^2)	300	1000
View Angle	160(H) / 170(V)	160(H) / 170(V)
Contrast	1000:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs
Option	Optical bonding	Optical bonding

Touch Screen	Resistive Touch	Projected Capacitive Touch
Interface	USB	USB
Light Transmission(%)	Over 80%	Over 90%

Power	
Power Input	DC 9~36V
Power Consumption	TBD

Dimensions



Mechanical	
Front Bezel	Flat Bezel design
Front Bezel Metal	Aluminum / Panel Mounting
Rear Panel Metal	Aluminum / VESA 100 x 100
Dimensions (WxHxD)	499.6mm x 314.6mm x 65.4mm
IP Rating	Front Panel IP66
Net Weight	TBD

Environmental	
Operating Temperature	0~50˚C, -20~60˚C (option)
Storage Temperature	-20~60˚C
Storage Humidity	10 to 90%@ 40˚C, non-condensing
Certificate	Meet CE / FCC, Class A

Operating System Support
Windows Embedded Compact 7, Windows Embedded Standard 7, Windows 7 Pro (FES) Windows 7 Ultimate (FES), Windows Embedded 8.1 Industry Pro, Windows 10 IoT

Ordering Information	
ARCHMI-918A-01	18.5” WXGA Fanless HMI barebone with Intel Core i3 CPU, 4GB DDR4 RAM, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis
ARCHMI-918AP-01	18.5” WXGA Fanless HMI barebone with Intel Core i3 CPU, 4GB DDR4 RAM, Projected Capacitive touch screen, 9~36V DC input with adapter, Aluminum chassis

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All specifications and photos are subject to change without notice.
HMI Cotroller