

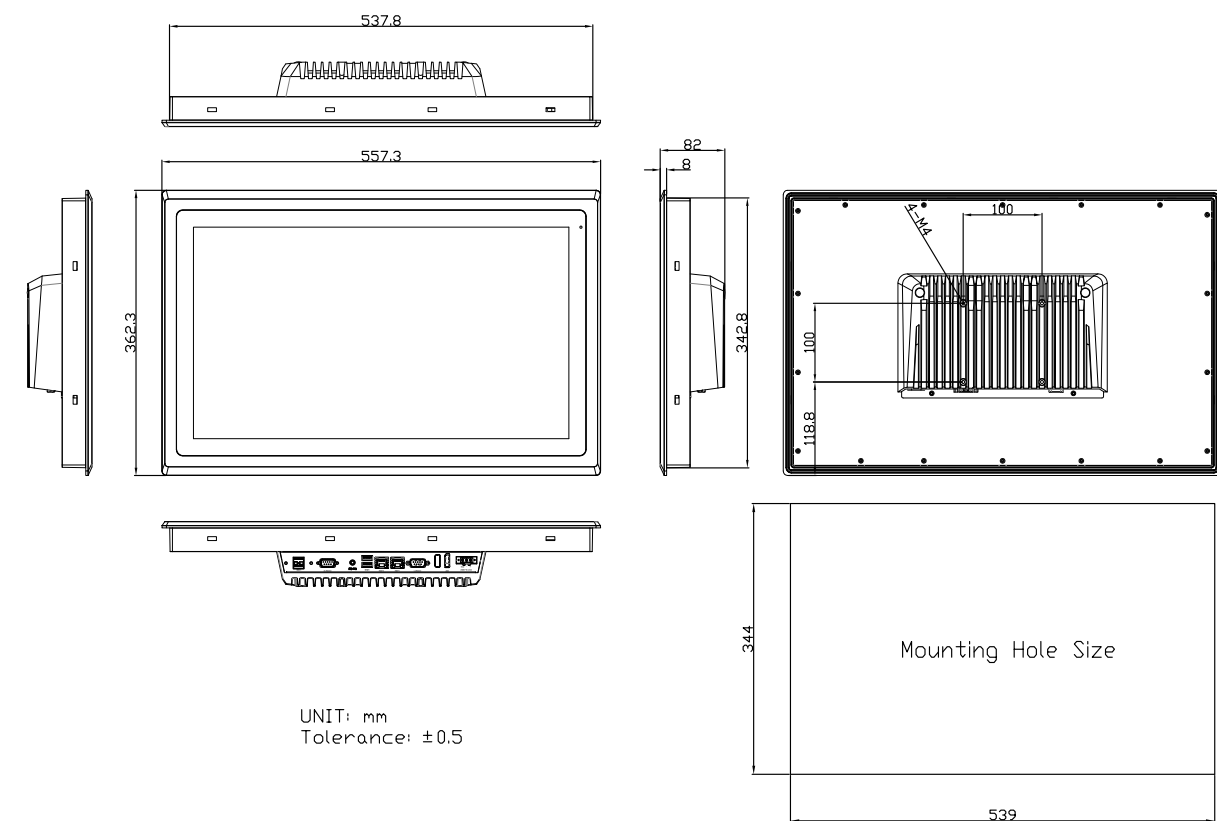
Features

- 21.5" Industrial Compact Size Panel PC
- Intel Celeron J6412 Processor
- Support 1 x DDR4 3200MHz SO-DIMM, Up to 32GB
- IP66 Compliant Aluminum Front Bezel
- Support Resistive touch screen and Projected Capacitive Multi-touch screen
- Support Auto-Dimming (for option)
- Support High Brightness LCD Version
- Fanless Design
- DC 9~36V Wide Range Power Input

Specifications

System		
CPU	Intel Celeron J6412 Quad Core Processor, 4C/4T, 2.00GHz, TDP is 10W	
System Chipset	SoC	
Memory	1 x DDR4 3200MHz SO-DIMM, up to 32GB	
BIOS	AMI UEFI	
I/O Port		
USB	2 x USB 3.2 Type A, 2 x USB 2.0 Type A	
Serial / Parallel	1 x DB9 RS-485/422/232 (COM1, BIOS selection, RS-232 is default) 1 x DB9 Type RS-232	
Audio	1 x Line-out	
Display	1 x DisplayPort 1.4: Up to 4096 x 2160@60Hz	
LAN	1 x RJ45 Type Intel I210AT 1GbE LAN 1 x RJ45 Type Intel I225LM/I226LM 2.5GbE LAN	
Power	1 x Terminal Block Type, 9-36VDC Power input	
Storage Space		
HDD/SSD	1 x M.2 B-Key 2242/2280 for SSD (SATA3)	
Expansion		
Expansion slot	1 x Mini-PCIe slot (full size, PCIe3.0 x1, USB2.0), with 1 x micro SIM slot 1 x M.2 E-Key 2230 for WiFi/BT module (USB2.0, PCIe3.0x1)	
Storage Space		
TPM	Onboard TPM2.0 SPI I/F TPM IC	
Watchdog Timer	1~255 sec (system)	
Wake on LAN	Support WOL	
Display		
	Standard	High Brightness by SKU
Display Type	21.5" TFT-LCD	21.5" TFT-LCD
Max. Resolution	1920 x 1080	1920 x 1080, FHD
Max. Color	16.7M	16.7M
Luminance (cd/m <sup>2</sup> )	300	1,000
View Angle	178(H)/178(V)	178(H)/178(V)
Contrast	1,000:1	1,000:1
Backlight Lifetime	50,000 hrs	50,000 hrs
Touch Screen		
Type	Resistive Touch (for BR Model) Projected Capacitive Touch (for BP Model)	
Interface	USB	
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%	
Power		
Power Input	DC 9~36V	
Power Consumption	ARCHMI-S-821BP/R: 50W(Max)	

Dimensions



Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, DIN-rail Mount
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	557.3 x 362.3 x 82 mm
Net Weight	7.4 kg
Environmental	
Operating Temperature	-20~60°C
Storage Temperature	-30~70°C
Humidity	10 to 95%@ 40°C, non-condensing
Certificate	CE/FCC class A/UL
Operating System Support	
Windows 10 IoT Enterprise 2021 LTSC	
Windows 11 (21H2) or later	
Linux 18.04 or later	
Ordering Information	
ARCHMI-S-821BP	21.5" FHD fanless HMI barebone with Intel Celeron J6412 (2.0 GHz) CPU, 1 x DDR4 slot, Projected Capacitive touch, 9~36VDC input with adapter, Aluminum chassis.
ARCHMI-S-821BR	21.5" FHD fanless HMI barebone with Intel Celeron J6412 (2.0 GHz) CPU, 1 x DDR4 slot, Resistive touch screen, 9~36VDC input with adapter, Aluminum chassis.
ARCHMI-S-821BPH	21.5" high brightness FHD fanless HMI barebone with Intel Celeron J6412 (2.0 GHz) CPU, 1 x DDR4 slot, Projected Capacitive touch, 9~36VDC input with adapter, Aluminum chassis.
ARCHMI-S-821BRH	21.5" high brightness FHD fanless HMI barebone with Intel Celeron J6412 (2.0 GHz) CPU, 1 x DDR4 slot, Resistive touch screen, 9~36VDC input with adapter, Aluminum chassis.