



Features

- 23.8" 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 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, 9-36V DC Power input

Storage Space	
HDD/SSD	1 x M.2 M-Key 2242/2280 for SSD (SATA3)

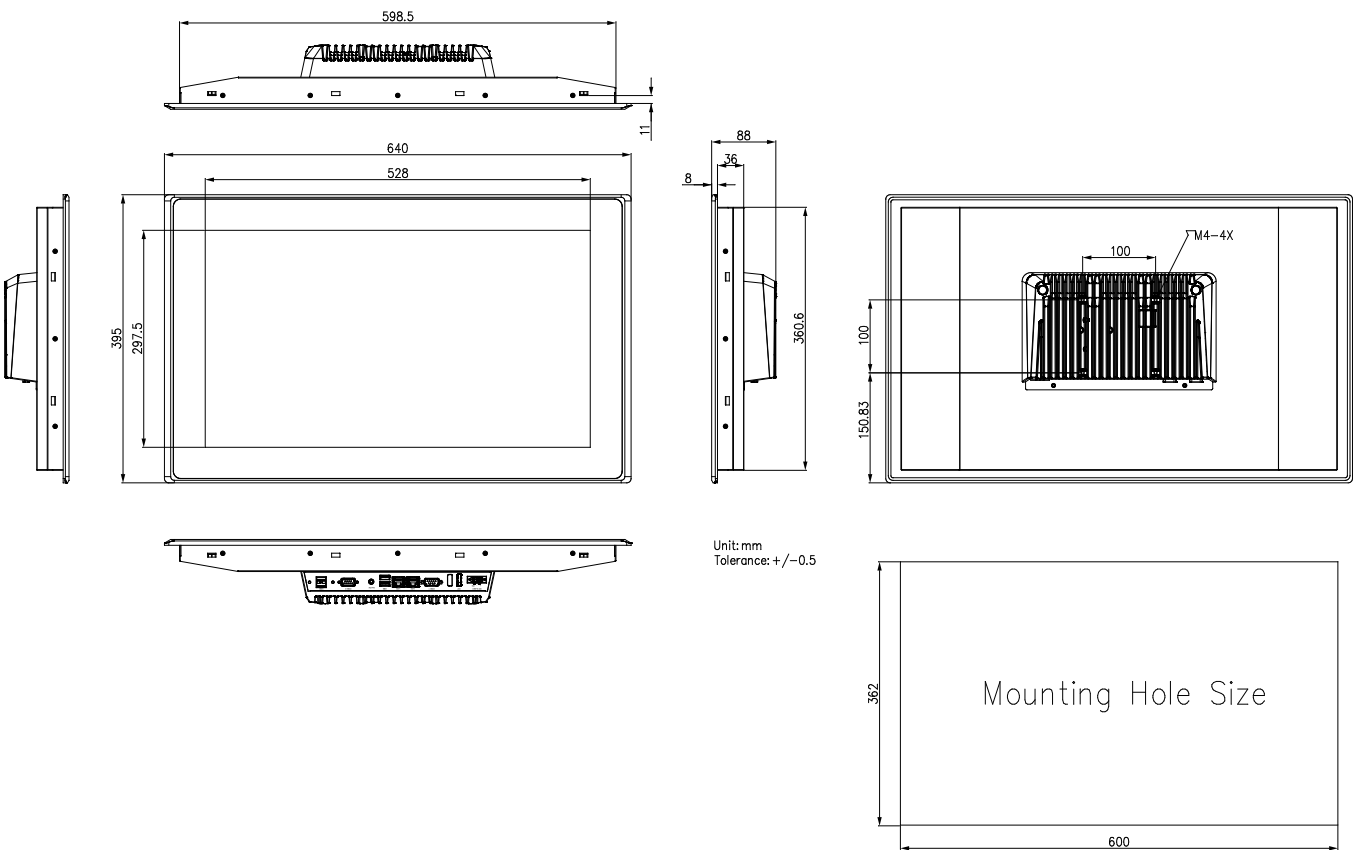
Expansion	
Expansion slot	1 x Mini-PCIe slot (full size, PCIe3.0 x1, USB2.0), with 1 x micro SIM slot 1 x M.2 E-Key 2230 for WiFi/BT module (USB2.0, PCIe3.0x1)

Storage Space	
TPM	Onboard TPM2.0 SPI I/F TPM IC
Watchdog Timer	1~255 sec (system)
Wake on LAN	Support WOL

Dispalay	Standard	High Brightness by SKU
Display Type	23.8" TFT-LCD	23.8" TFT-LCD
Max. Resolution	1920 x 1080	1920 x 1080, FHD
Max. Color	16.7M	16.7M
Luminance (cd/m ²)	250	1,000
View Angle	178(H)/178(V)	178(H)/178(V)
Contrast	3,000:1	3,000:1
Backlight Lifetime	30,000 hrs	30,000 hrs

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

Dimensions



Power	
Power Input	DC 9~36V
Power Consumption	ARCHMI-S-824BP: 43W(Max)

Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	640 x 395 x 88 mm
Net Weight	9.43 kg

Environmental	
Operating Temperature	0~50°C
Storage Temperature	-30~70°C
Humidity	10 to 95%@ 40°C, non-condensing
Certificate	CE/FCC class A

Operating System Support	
Windows 10 IoT Enterprise 2021 LTSC	
Windows 11 (21H2) or later	
Linux 18.04 or later	

Ordering Information	
ARCHMI-S-824BP	23.8" 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-824BPH	23.8" 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.