



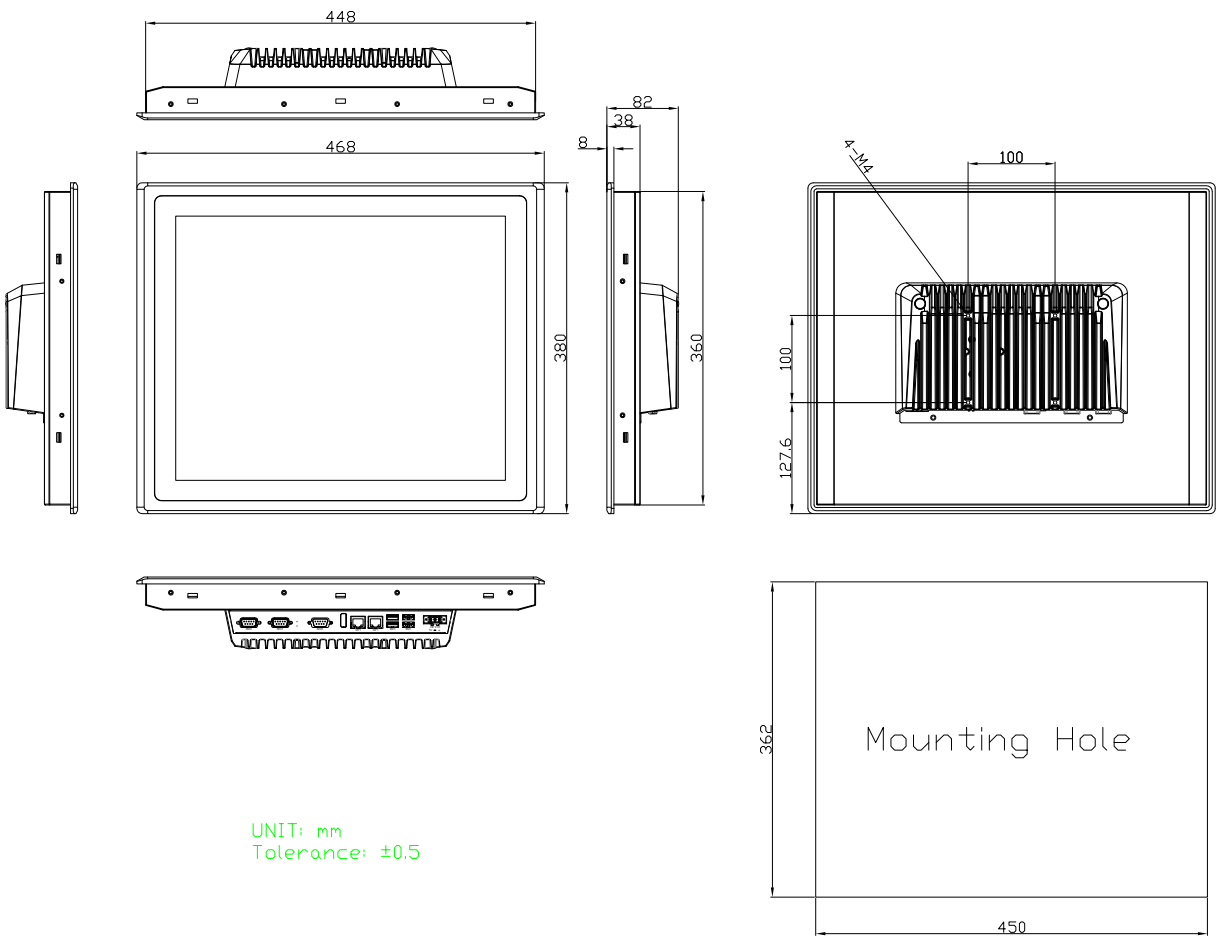
Features

- 19" Industrial Compact Size Panel PC
- Intel N97 Processor
- Support 1 x DDR5 4800MHz 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 (for option)
- Fanless Design
- DC 9~36V Wide Range Power Input

Specifications

System		
CPU	Intel N97 Quad Core Processor, 3.60GHz, TDP is 12W	
System Chipset	SoC	
Memory	1 x DDR5 4800MHz SO-DIMM, up to 32GB	
BIOS	AMI UEFI	
I/O Port		
USB	2 x USB 3.2 Gen1 Type-A, 2 x USB 2.0 Type A	
Serial / Parallel	1 x DB9 Type RS-232/422/485 (COM1, BIOS selection, RS-232 is default)	
	1 x DB9 Type RS-232/422/485 (COM2, BIOS selection, RS-232 is default)	
	1 x DB9 Type RS-232(COM3)	
LAN	2 x RJ-45 Type Intel I226V/IT 2.5GbE LAN (PXE/WOL)	
Power	1 x Terminal Block Type, DC 9~36V Power Input	
Storage Space		
HDD/SSD	1 x M.2 M-Key slot for storage device (PCIe3.0 x1 or SATA, 2280)	
Expansion		
Expansion slot	1 x M.2 E-Key slot (Support Wi-Fi + Bluetooth, 2230) 1 x M.2 B-Key slot with 1 x Nano-SIM slot (Support 4G/5G, 3042/3052)	
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	19" TFT-LCD	19" TFT-LCD
Max. Resolution	1280 x 1024	1280 x 1024
Max. Color	16.7M	16.7M
Luminance (cd/m ²)	350	1000
View Angle	170(H)/160(V)	170(H)/160(V)
Contrast	1000:1	1200:1
Backlight Lifetime	50,000 hrs	50,000 hrs
Touch Screen		
Type	Resistive Touch (for CR Model) Projected Capacitive Touch (for CP Model)	
Interface	USB	
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%	
Power		
Power Input	DC 9~36V	
Power Consumption	ARCHMI-S-819CP/R: Around 44W	

Dimensions



Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	468 x 380 x 82 mm
Net Weight	7.22 kg
Environmental	
Operating Temperature	Standard: 0~50°C (default) / -20~60°C (optional) High Brightness: 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 22.04 or later	
Ordering Information	
ARCHMI-S-819CP	19" SXGA fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Projected Capacitive touch, 9~36Vdc input with adapter, Aluminum chassis.
ARCHMI-S-819CR	19" SXGA fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Resistive touch screen, 9~36Vdc input with adapter, Aluminum chassis.
ARCHMI-S-819CPH	19" SXGA High brightness fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Projected Capacitive touch, 9~36Vdc input with adapter, Aluminum chassis.
ARCHMI-S-819CRH	19" SXGA High brightness fanless HMI barebone with Intel N97 CPU, 1 x DDR5 slot, Resistive touch screen, 9~36Vdc input with adapter, Aluminum chassis.