



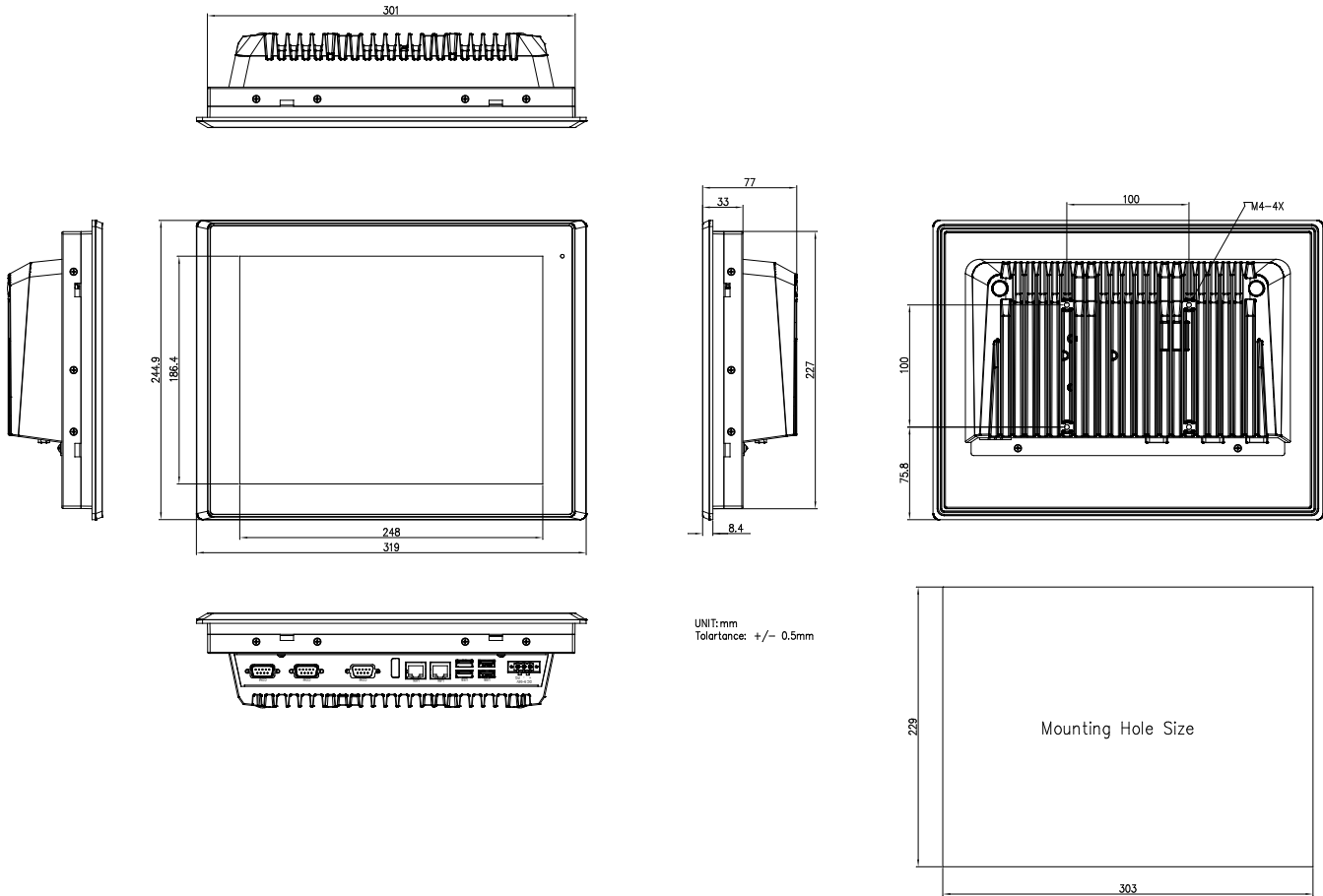
Features

- 12.1" Industrial Compact Size Panel PC
- Intel Celeron N97/X7425E Processor (Alder Lake-N)
- 1 x DDR5-4800MHz SO-DIMM socket, 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 Processor, 4C/4T, 2.0GHz, TDP is 12W Intel Atom x7425E, 4C/4T, 1.50GHz, TDP is 12W			
System Chipset	SoC			
Memory	1 x DDR5-4800MHz SO-DIMM socket, up to 32GB (Alder Lake-N)			
BIOS	AMI UEFI			
I/O Port				
USB	2 x USB 3.2 Gen1 Type-A, 2 x USB 2.0 Type-A 1 x DB9 Type RS-232/422/485 (COM1, BIOS selection, RS-232 is default)			
Serial / Parallel	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 2280 M-Key socket (SATA 3.0, PCIe x1), Default is SATA Type			
Expansion				
Expansion slot	1 x M.2 2230 E-Key (USB2.0, PCIe x1) for optional Wi-Fi/BT Module 1 x M.2 2242/3402/3052 B-Key (PCIe x1, USB3.2 Gen1, USB2.0) for optional LTE/5G Module 1 x Nano-SIM slot			
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	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	16.2M	16.7M	16.2M
Luminance (cd/m ²)	450	500	1000	1000
View Angle	178(H)/178(V)	178(H)/178(V)	176(H)/176(V)	178(H)/178(V)
Contrast	1500:1	1000:1	1000:1	1000:1
Backlight Lifetime	50,000 hrs	30,000 hrs	50,000 hrs	70,000 hrs
Touch Screen				
Type	Resistive Touch (for CR Model) Projected Capacitive Touch (for CP Model)			
Interface	USB 2.0			
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%			
Power				
Power Input	DC 9~36V			
Power Consumption	ARCHMI-S-812CP/R: Around 45W			

Dimensions



Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	319 x 244.9 x 77 mm
Net Weight	3.34 kg
Environmental	
Operating Temperature	Standard : -20~60°C (w/ WT RAM/SSD) 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-812CP	12.1" SVGA/XGA fanless HMI barebone with Intel Alder Lake-N CPU, 1 x DDR5 slot, Projected Capacitive touch, DC 9~36V input with adapter, Aluminum chassis.
ARCHMI-S-812CR	12.1" SVGA/XGA fanless HMI barebone with Intel Alder Lake-N CPU, 1 x DDR5 slot, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis.
ARCHMI-S-812CPH	12.1" SVGA/XGA High brightness fanless HMI barebone with Intel Alder Lake-N CPU, 1 x DDR5 slot, Projected Capacitive touch, DC 9~36V input with adapter, Aluminum chassis.
ARCHMI-S-812CRH	12.1" SVGA/XGA High brightness fanless HMI barebone with Intel Alder Lake-N CPU, 1 x DDR5 slot, Resistive touch screen, DC 9~36V input with adapter, Aluminum chassis.