



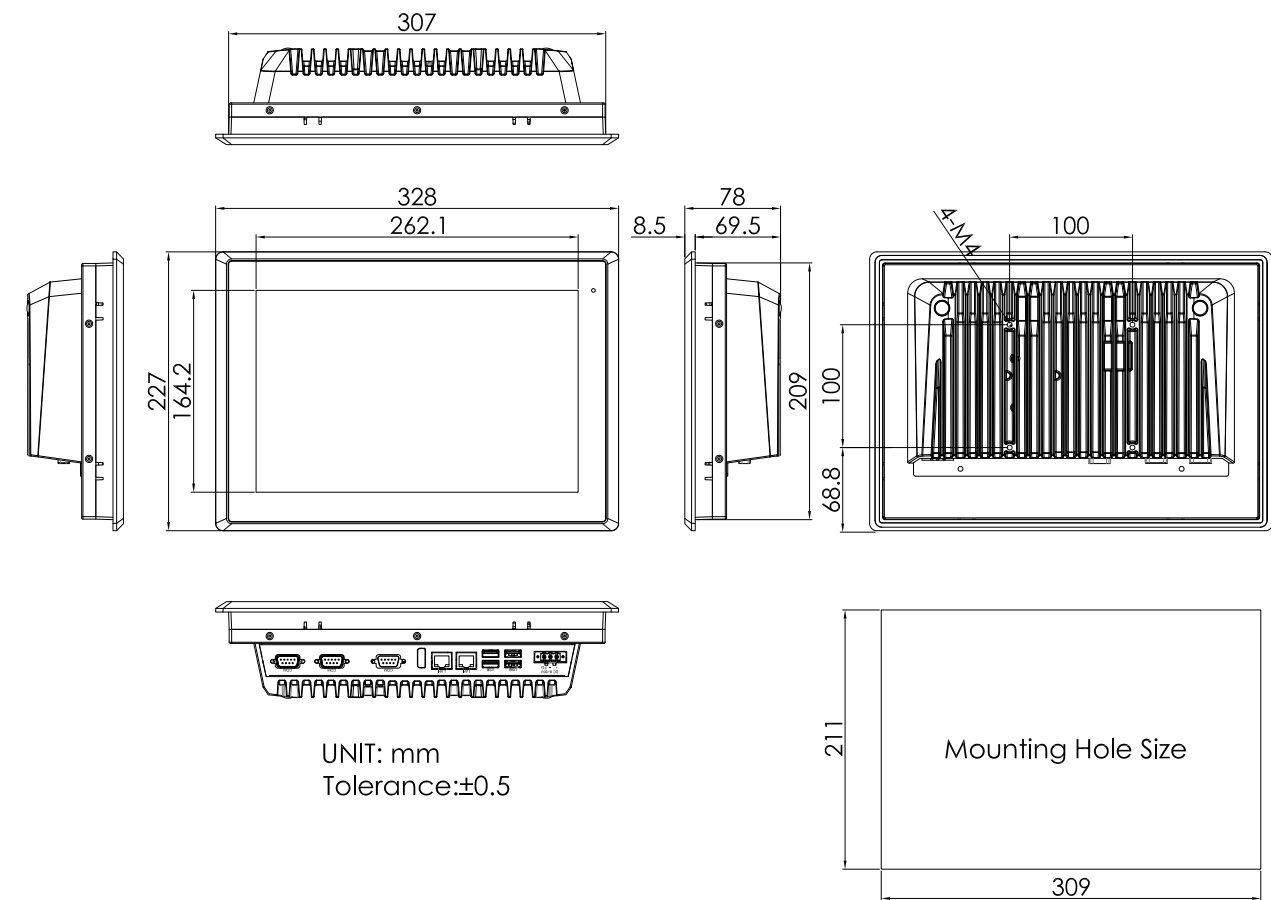
Features

- 12.1" Widescreen Industrial Compact Size Panel PC
- 12th Gen. Intel i5-1235U, i3-1215U (Alder Lake-U)
- Support 2 x DDR5 5600MHz SO-DIMM, Up to 64GB
- 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 (for option)
- Fanless Design
- DC 9~36V Wide Range Power Input

Specifications

System		
CPU	Core i5-1235U (2P/8E/12T, P-core:4.4GHz, E-core:3.3GHz, 15W TDP) Core i3-1215U (2P/4E/8T, P-core:4.4GHz, E-core:3.3GHz, 15W TDP)	
System Chipset	SoC	
Memory	2 x DDR5 5600MHz SO-DIMM, up to 64GB	
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-485/422/232(COM1, BIOS selection, RS-232 is default)	
	1 x DB9 Type RS-485/422/232(COM2, BIOS selection, RS-232 is default)	
	1 x DB9 Type RS-232(COM3)	
LAN	1 x RJ45 Type Intel I219LM GbE LAN	
	1 x RJ45 Type Intel I210AT, GbE LAN	
Power	1 x Terminal Block Type, 9-36VDC Power input	
Storage Space		
HDD/SSD	1 x M.2 Key-M Slot for NVME (PCIe Gen3, 2280)	
Expansion		
Expansion slot	1 x M.2 Key-E Slot (Support WIFI+BT, 2230)(USB2.0, PCIe x1)	
	1 x M.2 Key-B Slot w/1 x Nano-SIM slot(Support 4G/5G, 3042/3052) (USB3.2 Gen.1 x1, PCIe x1(Default)/SATA, USB2.0)	
Storage Space		
TPM	Onboard TPM2.0 SPI I/F TPM Infineon_SLM8670 IC	
Watchdog Timer	1~255 sec (system)	
Wake on LAN	Support WOL and PXE	
Dispalay	Standard	High Brightness by SKU
Display Type	12.1" Wide TFT-LCD	12.1" Wide TFT-LCD
Max. Resolution	1280 x 800	1280 x 800
Max. Color	16.7M	16.7M
Luminance (cd/m ²)	400	1000
View Angle	170(H)/170(V)	176(H)/176(V)
Contrast	1200:1	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs
Touch Screen		
Type	Resistive Touch (for DR Model)	
	Projected Capacitive Touch (for DP Model)	
Interface	USB	
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%	
Power		
Power Input	DC 9~36V	
Power Consumption	ARCHMI-S-912WDP/R: Around 70W	

Dimensions



Mechanical	
Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	328 x 227 x 78 mm
Net Weight	5.79 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-912WDP	12.1" WXGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912WDR	12.1" WXGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912WDPH	12.1" WXGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912WDRH	12.1" WXGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR5 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.