

ARCHMI-S-912DP/R(H)

12.1" Intel 12th Gen. Alder Lake-P Platform Fanless Industrial Panel PC



Features

- 12.1" Industrial Compact Size Panel PC
- Intel 12th Gen. i5-1235U, i3-1215U (Alder lake-P)
- Support 2 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	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 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 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, 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 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 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-912DP/R: 70W(Max)			

HMI Controller

All specifications and photos are subject to change without notice.

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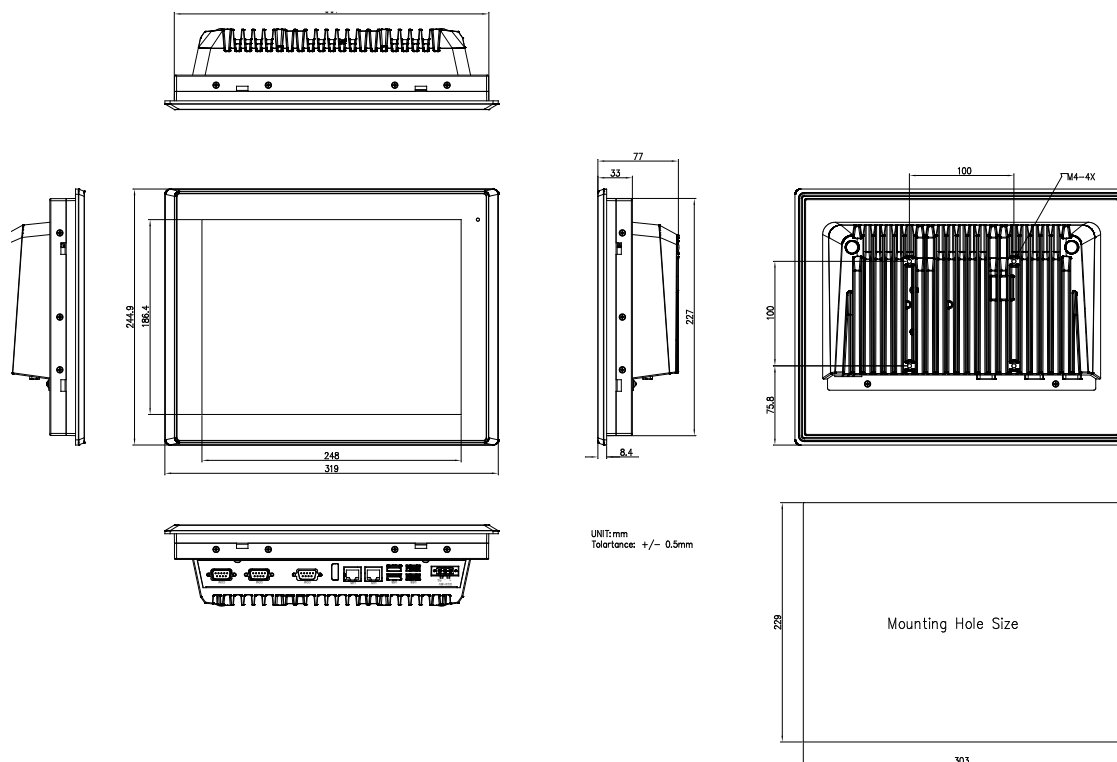
Industrial Panel PC

HMI Controller

Industrial
Display Monitor

Box PC

Dimensions



Mechanical

Construction	Aluminum Die-casting Chassis
Mounting	Panel Mount, VESA 100 x 100
IP Rating	IP66 Compliant Front Bezel
Dimensions (WxHxD)	314 x 244.9 x 77 mm
Net Weight	3.5 kg

Environmental

Operating Temperature	0~50°C / -20~60°C (w/ Industrial wide Temp. SSD/RAM)
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-912DP	12.1" SVGA/XGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912DR	12.1" SVGA/XGA fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912DPH	12.1" SVGA/XGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-S-912DRH	12.1" SVGA/XGA High brightness fanless HMI barebone with Intel i3-1215U/i5-1235U CPU, 2 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.

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HMI Controller

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