

ARCHMI-819BP/R(H)

19" Intel Elkhart Lake Fanless Industrial Compact Size PC



Features

- 19" Industrial Compact Size Panel PC
- Intel Celeron J6412 Processor
- 1 x 260-pin SO-DIMM DDR4 slot, up to 32GB 3200MHz
- Flat Front Panel Touch Screen with IP66 Front Bezel
- Support Expansion via Full-size Mini-PCIe and M.2 slots
- Support TPM2.0 Hardware Security
- DC 9~36V Wide Range Power Input
- High Brightness 1,000 nits for option

Specifications

System	
CPU	Intel Celeron J6412 Processor (2.0 GHz, 1.5MB L2 cache)
System Chipset	SoC
Memory	1 x 260-pin SO-DIMM up to 32GB DDR4 3200MHz
TPM	TPM 2.0

I/O Port	
USB	2 x USB 3.2 Gen2 type A 2 x USB 2.0 type A
Serial / Parallel	1 x RS-232/422/485 (Default RS-232; select via BIOS)
Audio	1 x Line-out
LAN	2 x 2.5GbE LAN RJ-45 (I226)
DP	1 x DP, support DP++
Power	1 x 3-pin Terminal Block Connector 1 x 2-pin Power Switch Connector
Option	VESA Stand 4G LTE/Wi-Fi 4/5/6+/Bluetooth 4 x USB 2.0 type A (TB-528U4) 4 x USB 2.0 type A + 1 x Mini-PCIe + 1 x SIM slot (TB-528U4ME1) 2 x COM (RS-232) (TB-528C2) 1 x COM (RS-232) + 2 x USB 2.0 (TB-528C1U2) 1 x COM (RS-232) + 2 x USB 2.0 + 1 x Power Button (TB-528C1U2P1) 2 x COM (RS-232) + 1 x Mini-PCIe slot + 1 x SIM slot (TB-528C2ME1) 2 x COM (RS-422/485, isolated) (TB-528C2I) 2 x CAN (TB-528CAN2) 1 x LAN + 2 x USB 2.0 type A (TB-528E1U2) 1 x 2W Speaker 1 x Auto Dimming (for BP model) 1 x Backup Battery 21W/10.8V/1.95Ah(3S1P)

Storage Space	
Storage	1 x M.2 B-Key slot (Support SATA3 2242/2280, Default 2242)

Expansion	
Onboard Expansion Bus	1 x Mini-PCIe slot (full size) 1 x M.2 E-key 1 x Nano SIM Card holder

Display	Standard	Optional High Brightness
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	1000:1
Backlight Lifetime	50,000 hrs	50,000 hrs

Touch Screen	
Type	Resistive Touch (for BR Model) Projected Capacitive Touch (for BP Model)
Interface	USB
Light Transmission(%)	Resistive Touch: 80% / Projected Capacitive Touch: 90%

HMI Controller

All specifications and photos are subject to change without notice.

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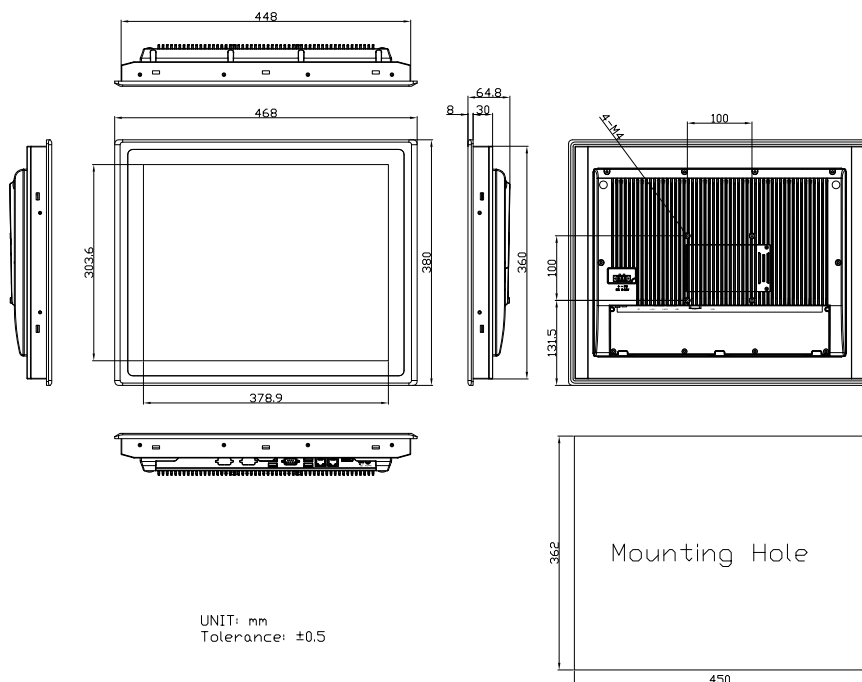
Industrial Panel PC

HMI Controller

Industrial
Display Monitor

Box PC

Dimensions



Power

Power Input	DC 9~36V
Power Consumption	ARCHMI-819BP/R: 50W

Mechanical

Construction	Aluminum Chassis
Mounting	Panel Mount, VESA 100 x 100
Dimensions (WxHxD)	468 x 380 x 64.8 mm
IP Rating	IP66 Compliant Front Bezel
Net Weight	7.47 kg

Environmental

Operating Temperature	0~50°C / -20~60°C (option)
Storage Temperature	-30~70°C
Humidity	10 to 95%@ 40°C, non-condensing
Certificate	CE/FCC class B/UL

Operating System Support

Windows 10 IoT, Windows 11 IoT

Ordering Information

ARCHMI-819BR	19" SXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-819BP	19" SXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis.
ARCHMI-819BR(H)	19" High brightness SXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Resistive touch screen, 9~36V DC input with adapter, Aluminum chassis
ARCHMI-819BP(H)	19" High brightness SXGA fanless HMI barebone with Intel Celeron J6412 processor, 1 x DDR4 slot, Projected Capacitive touch, 9~36V DC input with adapter, Aluminum chassis

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HMI Controller

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