





Features:

Intel® Celeron® J6412

1*DDR4 SO-DIMM interface , Max Capacity32GB

4*Intel® GbE

4*USB Type-A interface

1*HDMI slot

WiFi/4G wireless expansion

Support desktop, wall mounted, and DIN rails

Fanless passive cooling

Compact size



Remote Management



Condition Monitoring



Remote
Operation And
Maintenance

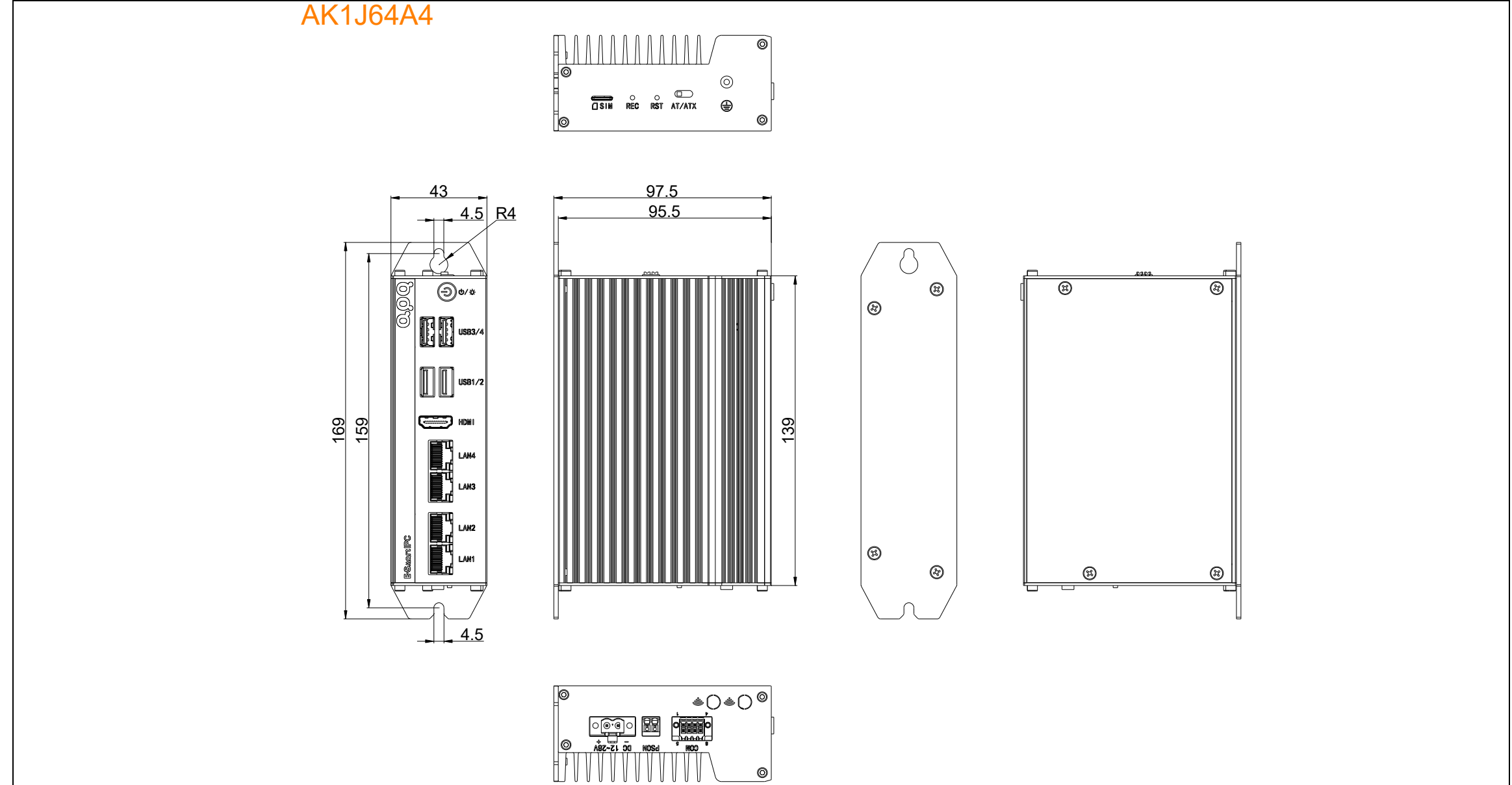


Safety Control

Product Specification

Model		AK1J64A4
CPU	CPU	Intel® Celeron® J6412
	Basic Frequency	2.0 GHz
	Max Turbo Frequency	2.6 GHz
	Cache	4MB
	Kernel	4/4
	Chip	SOC
	BIOS	AMI UEFI BIOS
Memory	Socket	1 * DDR4 SO-DIMM interface , Frequency 3200MT/s
	Max Capacity	32GB
Display	Controller	Intel® UHD Graphics
Ethernet	Controller	4 * Intel® i210-AT network (10/100/1000 Mbps)
Storage	M.2	1 * M.2 Key-M slot (SATA3.0/PCIe x1signal, Adaptable SATA/NVMe SSD, 2280)
Expansion	Mini PCIe	1 * Mini PCIe slot (1*PCIe +1*USB 2.0 , 1*SIM bayonet socket)
Front I/O	USB	2 * USB 5Gbps (Type-A) 2 * USB 2.0 (Type-A)
	Network Interface	4 * RJ45 interface
	Display	1 * HDMI slot (resolution up to 3840*2160 @ 30Hz)
	Button	1 *power button (include LED)
	DIP Switch	1 * AT/ATX DIP switch
Side I/O	Button	1 * Reset button 1 *System Reset button
	SIM	1 * Nano SIM bayonet socket
	Power Source	1 * Power input interface (12~28V, 2P, P=5.08mm)
	Interface	2 * RS232/485
	Socket	1 * External power switch socket (2P, P=3.81mm)
	Type	DC
Power Supply	Input Voltage	12~28V
	Socket	1 * 2Pin Power input socket
	RTC Battery	CR2032 battery
OS Support	Windows	Windows 10/11
	Linux	Linux ≥5.4
Watchdog	Input	Restart System
	Interval	1~255 seconds
Construction	Material	Heatsink:Aluminum Alloy Upper/Lower Baffles: Galvanized Steel Sheet Bottom Cover: Galvanized Steel Sheet
	Size	139mm(Length) * 95.5mm(Width) * 43mm(Height)
	Mounting Method	Wall-mounted, Rail-mounted, Desktop
Industrial Environment	Cooling System	Fanless passive cooling
	Operation Temperature	-20~60°C
	Storage Temperature	-40~80°C
	Humidity	5 to 90% RH
	Vibration	IEC 60068-2-64 (3Grms@5~500Hz, random, 1hr/axis)
	Shock	IEC 60068-2-27 (30G, half sine, 11ms)

Product Size



I/O

