

# IoT Edge Embedded System

Delivering rugged edge IoT solutions for demanding environments

## AES-EL6KA

Compact.Flexible.Efficient.



- Intel Atom® x6000E Celeron® series Processor
- Onboard LPDDR4 Memory up to 8GB
- Onboard eMMC Storage up to 64GB
- Dual HDMI 2.0 displays up to 4K at 60Hz
- Dual RJ45 GbE Lan
- 2 x USB 3.2 Gen1, 2 x USB2.0
- 2 x RS232/422/485
- TPM 2.0
- Fan-Less design



Industrial



Military



Marine



Kiosk



Home  
Automation



Digital  
Signage

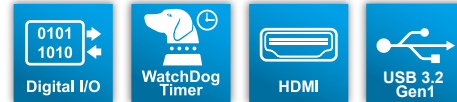
# AES-EL6KA

Intel Elkhart Lake System



## Features

- Onboard LPDDR4 Memory 4GB
- Onboard eMMC Storage up to 64GB
- Dual HDMI 2.0 displays up to 4K at 60Hz
- Dual RJ45 GbE Lan
- 2 x USB 3.2 Gen1, 2 x USB 2.0
- 2 x RS232/422/485
- TPM 2.0
- Fan-Less design



## Specification

### System

CPU	A1: Intel® Celeron® N6210, Dual-Core, 1.5M Cache, 1.2GHz (2.6GHz), 6.5W A2: Intel® Celeron® J6412, Quad-Core, 1.5M Cache, 2GHz (2.6GHz), 10W
Chipset	Intel Elkhart Lake SoC
Memory	N6210 On board 4GB J6412 On board 4GB
BIOS	AMI UEFI BIOS

### Video

Graphic Controller	Intel® Gen10 UHD Graphics
Video Memory	Shared Memory
Video Interface	2 x HDMI 2.0

### Storage

Storage	A1: On board 32GB A2: On board 64GB
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### I/O

Ethernet	2 x GbE LAN (RJ45)
Expansion Slot	1x M.2 2230 E Key 1x Mini-PCI-e
USB	2 x USB 3.2 Gen1 Type A, 2 x USB 2.0 Type A,
GPIO	4 bit GPIO (Reserved)
COM	2 x RS232/422/485
Optional Parts	Power adaptor + Power Code Din Rail Mount Kits Intel Wi-Fi 6E Module Sata & Power cable

### Power Requirement

Power Input	12V DC in
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### Software

OS Support	Windows 10 Full,, Windows IOT Kernel 4.8, Ubuntu 22.04
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### Mechanical & Environment

Dimension	140 x 90 x 45mm
Operating Temp.	0~60°C
Safety	RoHS

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