AES-EL6KA

Looking for an ultra-small, rugged and high performance fanless IoT solution? You have found it with this embedded system featuring Intel® Elkhart Lake Celeron processor options with 4GB onboard DDR4 memory and 32/64GB eMMC storage and expansion flexibility. Ultimate performance and reliability are realized with up to Quad Core processing power while using less than 10W TDP. This exceptional power efficiency means less additional cooling space, and with 4K dual display capability and TPM 2.0 feature, this system can handle even the most demanding industrial applications.

SPECIFICATIONS

CPU	Intel® Elkhart Lake SoC Processor (J6412, TDP 10W), Intel® Elkhart Lake SoC Processor (N6210, TDP 6.5W)
Chipset	Integrated in SoC
BIOS	AMI UEFI BIOS
Memory	Onboard 4GB DDR4
Integrated Graphics	Intel® Gen10 UHD Graphics
Video	2 x HDMI 2.0
Storage	Onboard 32GB or Onboard 64GB
LAN Ports	2 x Gigabit Ethernet LAN
Extended Interface	1 x M.2 2230 E-Key, 1 x MiniPCIe Full Size
USB	2 x USB 3.2 Gen1 Type A, 2 x USB 2.0 Type A
Serial (COM) Port	2 x RS-232/422/485
TPM	2.0

Power Requirement	12V DC Input Jack
Dimensions	140 x 90 x 45mm (5.5" x 3.5" x 1.8")
Operating Temperature	0 ~ 60°C
OS Software Supported	Windows 10 Full, Windows IOT Kernel 4.8, Ubuntu 22.04

ORDERING OPTIONS

1708584A: AES-EL6KA1 with Celeron® N6210, Dual-Core, 1.2GHz~2.6GHz, 6.5W CPU and 32GB eMMC Storage 1708584B: AES-EL6KA2 with Celeron® J6412, Quad-Core, 2GHz~2.6GHz, 10W CPU and 64GB eMMC Storage COMMENT IN NOTES FOR NEEDED OPTIONAL ITEMS: Power adaptor + Power Code Din Rail Mount Kits Intel Wi-Fi 6E Module SATA & Power cable