Sistema Embedded > Edge AI System

GAIA-5020A

AI-ready solutions tailored for Edge Computing



Features

» AMD EPYC™ SP6 Series 8-64 cores

» Six DDR5 RDIMM slots, up to 576 GB

» Four 2.5 GbE LAN ports via Intel® I225-LM and I226-LM Controllers

» Rich options for USB and serial connectors

» 1x PCIe Gen4 x16, (support single slot FHFL GPU card)

» 4x M.2 M-key slots (PCIe Gen4, support NVMe SSD)

» Three system cooling fans

Specifications

Form factor	
SBC Form Factor	» CPU:
	AMD EPYC™ SP6 Series 8-64 cores
	» Chipset:
	SoC
	» Memory:
	6 x 288-pin 4800MHz DDR5 RDIMM (system max. 576 GB)
I/O Interface	
I/O Ports	» USB:
	4 x USB 3.2 Gen1 (Type-A) (5Gb/s)
	2 x USB 2.0 (Type-A)
	» COM Port:
	1 x RJ45 (RS-232 Console)
	1 x TPM connector (support Intel PTT)
	» Ethernet:
	4 x 2.5 GbE LAN port by Intel® I225-LM/I226-LM controllers
	» Display Output:
	1 x DP 1.1a (up to 4096 x 2160 @60Hz)
Expansion Slots	
Expansion Slots	» M.2:
	4 x M.2 M key-slot (2242/2280, PCIe Gen4 x4, support NVMe SSD)
	» PCIe:
	1 x PCIe Gen4 x16 slot (support single slot FHFL GPU card)
System	
Cooling method / System Fan	» Fan:
	3 x 4028 12000RPM fan
Dimensions	
Dimensions	431.6(W) x 88(H) x 356.6(D) mm
Weight	

Weight	6kg
Environment	
Operating Temperature	0°C ~ 50°C
Humidity	10% ~95%, non-condensing
Safety & EMC	CE/FCC compliant
OS Compatible	
OS Compatible	Windows® 11, Linux

Ordering Information

GAIA-5020A-R10	AMD SP6 Siena 8-64 cores, 6x DDR5, 4 x 2.5GbE LAN, 4 x M.2 slot, PCIe Gen4 x16, 2U ATX Rackmount System, Flex PSU 500W

Packing List

1 x GAIA-5020A	