



# EdgeCard™ Server

Ultra compact, rugged, fanless, pluggable server

- » Wide range of AMD Epyc processors, memory and AI accelerator options.
- » OpenVPX/VITA65 compliant rear interfaces, with front connectors and 3U size.
- » Secure remote management, KVM & BIOS access.
- » Internal NVMe/SATA SSD up to 16TB, 1-10Gbps network interfaces.
- » Ruggedized design for wide temperature range, vibration and shock.
- » Low power operation, easy to deploy; low heat load on cooling system.
- » Supports virtualization & containerization for HCI deployments.

*Ideal platform for virtualized and containerized edge computing in retail, resource industries, manufacturing, defense, telecom, infrastructure, and others!*

*Small size, big features: multicore processor, AI accelerator, high-capacity solid-state storage that fits in the palm of your hand!*



## SWaP/C: Size, Weight, Power & Cooling

*The GECCO EdgePod is designed to be easier to ship, store, install and maintain – perfect wherever space and weight are constraints. Low power and passive cooling saves on the cost & complexity of the power supply & cooling system when compared to conventional IT equipment, and helps attain ESG goals by dramatically decreasing the carbon footprint.*

- » AMD Epyc multi-core processors, AI accelerators.
- » Compact 171mm x 100mm size; easy handling, low shipping cost, easy upgrades in remote and understaffed locations.
- » Pluggable design eliminates wiring errors and loose connections.
- » Standalone operation for simple configuration and testing.
- » Integrated BMC for remote management; zero touch provisioning, monitoring and remote upgrades.



## Ordering

GVS7 - P<sub>\_\_\_</sub> - D<sub>\_\_</sub> - M<sub>\_\_\_</sub>

P<sub>\_\_\_</sub> ED AMD Epyc E3255, 8c, 2.0 GHz, -45C to +85C, 35-55W  
 EC AMD Epyc E3451, 16c, 2.45 GHz, 0 to 60C, 85W  
 EB AMD Epyc E3351, 12c, 1.9 GHz, 0 to 60C, 65-80W  
 EA AMD Epyc E3251, 8c, 2.5 GHz, 0 to 60C, 55W

D<sub>\_\_</sub> C 64GB DDR4 SODIMM dual channel memory  
 B 32GB DDR4 SODIMM dual channel memory  
 A 16GB DDR4 SODIMM dual channel memory

M<sub>\_\_\_</sub> XX No expansion modules  
 D 8TB NVMe module (either slot)  
 C 4TB NVMe module (either slot)  
 B 2TB NVMe module (either slot)  
 A 1TB NVMe module (either slot)  
 H Hailo-8 AI Accelerator (either slot)

Contact GECCO for additional order options. All order options subject to availability.

## Specifications

<b>Processor family</b>	AMD Epyc E-3000 series
<b>Processor memory</b>	16GB to 64GB DDR4
<b>Storage memory</b>	Up to 16 TB SSD (NVMe/SATA)*
<b>External interfaces (front)</b>	USB-C/3.1, DisplayPort, 1000BASE-T
<b>External Interfaces (rear)</b>	VPX VITA 65 I/O SOSA profile* 10GBASE-KR Host, 1000BASE-T BMC PCIe 2.0, PCIe 3.0, DisplayPort 1.1 USB 3.1, USB 2.0, SATA3 options*
<b>Remote Management</b>	OpenBMC
<b>Operating Temperature</b>	Std: 0°C to 55°C (32°F to 131°F) Ext: -40°C to +70°C (-40°F to 158°F)
<b>Humidity</b>	93%@40°C (non-condensing)
<b>Shock and vibration</b>	20G, 11 rms half sine 2Grms @ 5 – 100 Hz
<b>Input power</b>	12VDC (VPX rear) or USB (front)
<b>Power consumption</b>	35W to 85W TDP (see order options)
<b>Dimensions</b>	171mm x 100mm x 26mm (6.7in x 3.9in x 1.0in)
<b>Weight</b>	0.63 kg (1.4 lb)
<b>Noise level</b>	N/A (no moving parts)
<b>Warranty</b>	5 years

Note: All specifications are subject to change without notice. \*Features available by special order; contact GECCO for details.

## About Green Edge Computing Corp.

We provide compact small footprint ready-to-go edge computing solutions for high performance, industrial IoT, mobile, harsh and remote edge locations.

