ORBITS EDGE™

Taking the EDGE to Space

Product Deck

March 2026

Tech Specs

Company:	OrbitsEdge, Inc.
Company Size:	6
CAGE Code:	9UH02
DUNS Number:	117418158
NIACS:	334220, 334511, 541715
SAM Registration:	Current
Company Clearance Level:	Not at Present
Veteran Owned Small Business:	Yes
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ORBITSEDGE PRODUCT SOLUTIONS

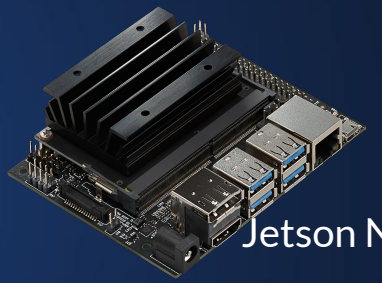
Edge Compute Power Classes

All classes feature robust radiation shielding, integrated thermal management and radiation mitigation software as well as Input/Output interfaces suited to customer needs.

Snapdragon 8s Gen3

AI agents available for all classes

- Edge10 10W
  - On board compute for narrow AI capabilities, analytics, proximity operations and more responsive satellites in a cubesat form factor
  - 1U (8X8X12cm), less than 1kg
  - 15 TOPS of compute
- Edge100 Around 100W
  - On board compute for specific AI capabilities, EO analytics, proximity operations, robotics and more responsive satellites in a smallsat form factor
  - 2U, less than 4kg
  - 700 TOPS



Jetson Nano

Up Core

FUTURE PRODUCT SOLUTIONS

Edge Compute Power Classes

All classes feature robust radiation shielding, integrated thermal management and radiation mitigation software as well as Input/Output interfaces suited to customer needs.

AI agents available for all classes

- Edge1000 ~100W
  - Robust compute for local data consumption, semi-autonomy and analytics
  - Intended for CLD deployment
  - 8U, below 12kg

HPE ProLiant EL8000

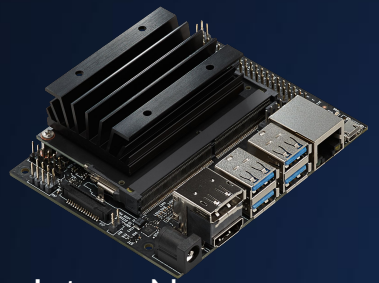
- Cloud100k ~100KW
  - Cloud Compute platform
  - 10 Full 42U Rack servers, size comparable to a commercial refrigerator, 20,000kg total
  - Individual racks can be deployed to CLDs

HPE 42U Server Rack

ORBITSEDGE PRODUCT SOLUTIONS

Edge Compute Environments

Snapdragon 8s Gen3



Jetson Nano

HPE ProLiant EL8000

	Edge1	Edge10	Edge100	Edge1000	Cloud10k
Space-Habitat			X	X	
Space-Open	X	X	X	X	X
Terrestrial	X	X	X	X	X
Aquatic	X	X	X	X	X
Nuclear	X	X	X	X	

HPE 42U Server Rack

By creating an enclosure capable of operating in a vacuum, with radiation shielding, we can also operate in other hostile environments on Earth and in space

ORBITSEDGE PRODUCT SOLUTIONS

Turnkey Semi-Autonomy

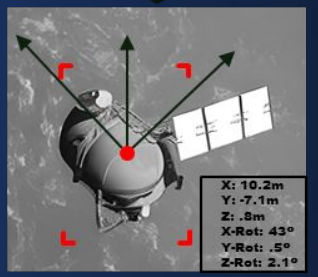
In partnership with Translunar ESI

- Onboard autonomous agents for rendezvous & proximity operations
- Space Situational Awareness

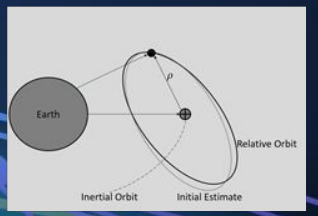
Benefits:

- Enables autonomous, markerless, and real-time operations in space.
- Enhance decision-making, reduce collision risk, and extend lifespan.
- Adaptable/scalable for diverse defense and commercial missions.
- Critical asset in maintaining space superiority, improving satellite operations, and expanding space-based activities.

Image Captured



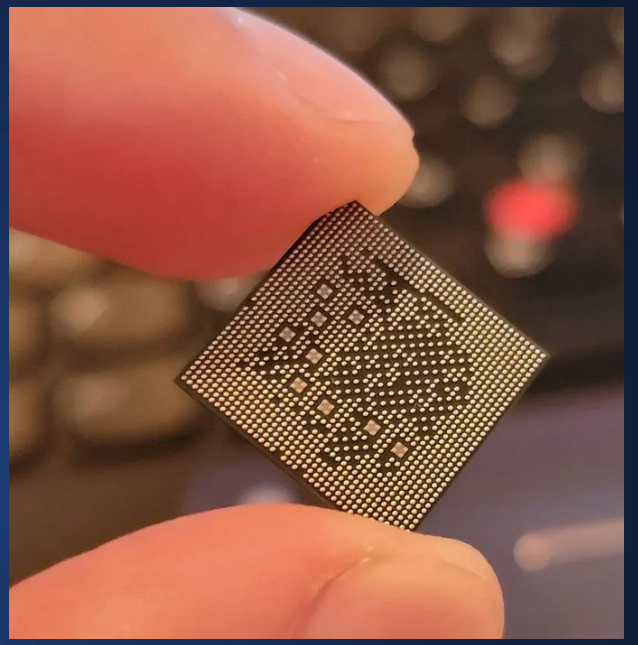
On-board NN Estimation



Trajectory Estimated & Corrected

ORBITSEDGE PRODUCT SOLUTIONS

EDGE10



Features

- ‘Computer-on-a-Board’ architecture, 1 + 2 Redundancy
- 1U, less than 2kg
- On board compute for narrow AI capabilities, analytics, proximity operations and more responsive satellites in a cubeat form factor
- Baselining the Snapdragon 8s Gen3 processor on a 4nm architecture

We are also exploring hybrid clusters to maximize output with different boards optimized for the different loads customers may require

ORBITSEDGE PRODUCT SOLUTIONS

EDGE100

15~85 W Jetson AGX Orin

- 'Computer-on-a-Board' architecture, 1 + 1 Redundancy
- Size around 2U, less than 6kg
- Built around the Jetson AGX Orin 64Gb
- On board compute for specific AI capabilities, semi-autonomy, EO analytics, proximity operations and more responsive vehicles in a smallsat form factor
- 12 Cortex ARM CPU Cores, 2048 GPU Cores, 64 Tensor Cores, 275 TOPS, 64GB of eMMC and 64 GB of DRAM Memory, 4Tb of storage on primary PCIe slot, with 2 additional M.2 slots
- Networking via 10GBE

Jetson AGX Orin

We are also exploring hybrid clusters to maximize output with different boards optimized for the different loads customers may require

ORBITSEDGE BOARD DESIGN

EDGE10 And EDGE100

- Partnership with Embry Riddle University for PCB Design
- Edge10 gains a 5X performance increase on the first iteration
- Edge100 gains a Qualcomm based board with performance above the AGX Orin
- Allows OrbitsEdge to iterate SBCs for space conditions and military products
- Provides access to the autonomous drone market
- Customization for mission requirements
- Rapid integration of new storage, RAM or processors
- OrbitsEdge gains control over vital inputs
- More responsive to customer requirements

Dragonwing IQ8

Dragonwing IQ9

Snapdragon 8s Gen3

ORBITSEDGE PRODUCT SOLUTIONS

EDGE10 OR EDGE100

ProxOps Box

- Built around our compute modules with integrated sensors
- Size based on the given platform
- On board compute for semi-autonomy, EO analytics, proximity operations and more responsive vehicles in a smallsat form factor
- Integrates sensors for your use case, either RGB, FLIR, LIDAR or other sensors
- Features our own AI agent
- Ties into GNC systems to respond to the environment

We are also exploring hybrid clusters to maximize output with different boards optimized for the different loads customers may require

Snapdragon 8s Gen3

Jetson AGX Orin

ORBITSEDGE PRODUCT SOLUTIONS

EDGE1000

~1000W Power Consumption

Jetson Nano Cluster

- Cluster architecture, 2N Redundancy
- Size around 8U or comparable to a cigar box, less than 12kg
- Can utilize minicomputers, GPUs and TPUs with cameras or other sensors for ‘smart satellites’ with low Size, Weight, and Power (SWaP)
- On board compute for specific AI capabilities, semi-autonomy and more responsive vehicles in a smallsat form factor
- Possible compute options : Similar to the 10W as clusters, with some mix/match capability

ORBITSEDGE BOARD DESIGN

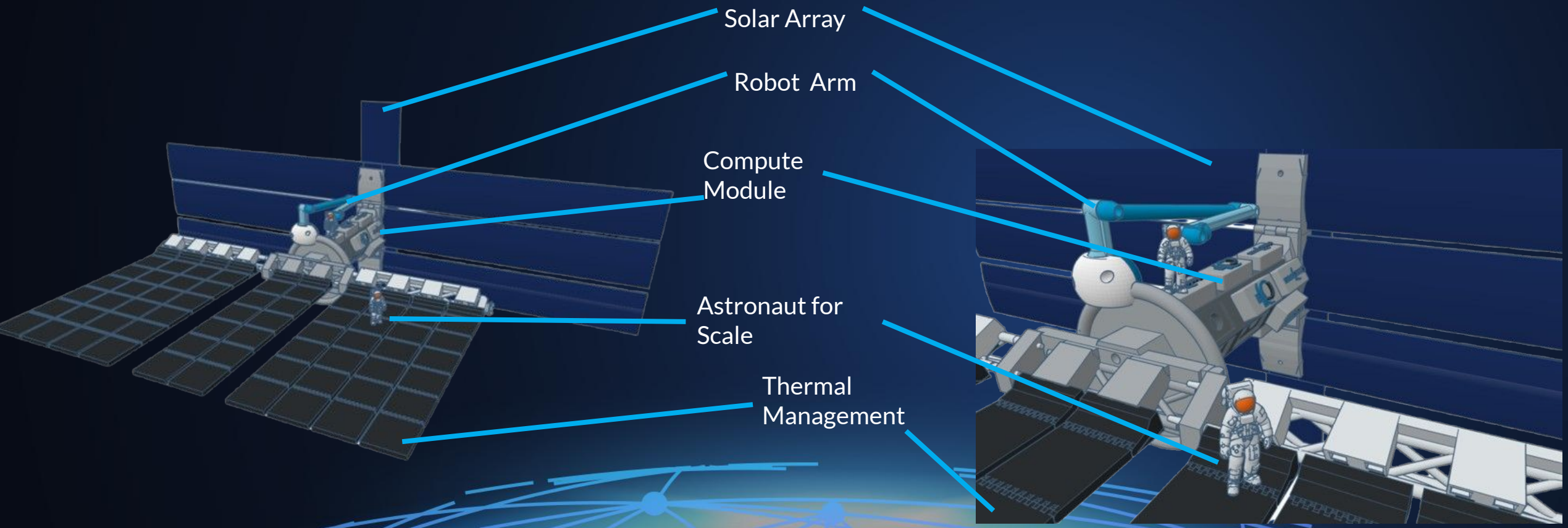
EDGE1 OR EDGE10

Snapdragon 8s Gen3

- Partnership with Embry Riddle University for PCB Design
- Edge1 gains a 3X performance increase on the first iteration
- Edge10 gains a carrier board with radiation hardening
- Allows OrbitsEdge to optimize SBCs for space conditions
- Customization for mission requirements
- Rapid integration of new storage, RAM or processors
- OrbitsEdge gains control over vital inputs
- More responsive to customer requirements

ORBITSEDGE CLOUD SIZE COMPARISONS

CLOUD100K



These illustrations are accurate for scaling but do not include all components.

Taking the EDGE to Space

ORBITS EDGE .com

Thank You

FOR ADDITIONAL INFORMATION

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We look forward taking next steps towards an out-of-this world partnership.