

APPLIED RESEARCH ASSOCIATES EDGE NODE (AEN)



TAKE YOUR CAPABILITIES TO THE TACTICAL EDGE

SIMPLIFIED MANAGEMENT UI (EDGE CONTROL)

Connect data pipelines, configure workflows and manage multi-int applications from a single interface

FLEXIBLE NETWORKING FROM ENTERPRISE TO EDGE (OMNINET)

Dynamic, user-definable network configurations with automated, smart-failover for continuous operations in DDIL and enterprise environments

EMBEDDED WORKSTATION

Server and analyst workstation in a single box, supporting advanced data processing and AI/ML workflows in a portable form-factor

SUPPORT FOR MULTIPLE MISSION SETS

Modular, automated application deployments supporting rapid integration of new capabilities, reduced footprint/administrative overhead, and lower costs. Customizable hardware design to support GPUs, Network TAPs, SDRs, etc.

OFF-GRID (DDIL) OPERATIONS

Conduct expeditionary operations, even without grid power, using hot-swappable BB2590 batteries and integrated grid-assist capable UPS

RUGGEDIZED MANPACK DESIGN (15-45 LBS)

Take your garrison capabilities to the tactical edge in a ruggedized lightweight system (single transit case)

ARA EDGE NODE (AEN)

TECHNICAL SPECIFICATIONS

PRODUCT LINE

ULTRALITE



LITE



ELITE



vCPU	Up to 144	Up to 144	Up to 288
Memory	Up to 2TB	Up to 2TB	Up to 4TB
GPU	NVIDIA L4 ADA Datacenter	NVIDIA L4 ADA Datacenter & RTX Pro 4000	NVIDIA L40s Datacenter
Usable Data Storage	Up to 495TB Raw	Up to 983TB Raw	Up to 983TB Raw
Power	AC Only	AC/DC	AC/DC
Battery	N/A	Optional External Battery ~2hr runtime	Optional External Battery ~2hr runtime
Weight	~17 lbs	~35 lbs	~40 lbs

- All systems are fully customizable based on customer requirements
- TAA approved carry on case available for Ultralite

 Hardware Powered by MaxVision



All standard models are TAA and NDAA 889 compliant



edge-solutions@ara.com
www.ara.com

KEY PRODUCT FEATURES

OmniNet

- Network interoperability and integration across multiple transports & protocols (cellular, SATCOM, WiFi, and terrestrial)
- User customizable configurations enable continuous operations in DDIL environments
- Integrated switch supports directly connected clients or peripherals

Edge Control & Edge Command

- Single pane of glass for config and monitoring network, storage, and apps
- Hierarchical command dash for inventory, monitoring, and management of multiple Edge Nodes
- Automated interface for shutdown, startup, reboot of all software and hardware components, and emergency cryptographic erase

Support

- Integrated troubleshooting UI with embedded help to enable remote operations and easy maintenance
- Integration services available on request for new applications, data sources and workflows

Mobility

- Transit cases meet MIL-STD-810H standards with internal or external UPS/battery configurations (Units < 50 Lbs)
- Reinforced internal connections
- Operational temperature up to 122° F

Security

- System Hardening with vulnerability and compliance scanning
- Systems/application log aggregation and endpoint Security
- Delivered assessment-ready for streamlined Authority to Operate (ATO) approval (US DOD)