

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-110
Item to be Scouted	Rackmount Network Appliance
Days to be scouted	30
Response Due By	05/16/2025
Description	Electrical component for secure and reliable systems that will consolidate demanding network applications

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	2nd Supplier
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Integration and assembly of components into a functional server

Provide dimensions / size / tolerances / performance specifications for the item	<ul style="list-style-type: none"> <li>* CPU <ul style="list-style-type: none"> <li>* Single socket</li> <li>* PCIe5 support</li> <li>* 24 core minimum</li> <li>* Prefer faster cores over more cores</li> </ul> </li> <li>* RAM <ul style="list-style-type: none"> <li>* 128GB DDR5 ECC</li> </ul> </li> <li>* Storage <ul style="list-style-type: none"> <li>* System disk: ~100GB, NVMe preferred</li> <li>* User disk: 2x3TB SATA SSD/HDD</li> </ul> </li> <li>* Networking <ul style="list-style-type: none"> <li>* Management copper port: 1G minimum, 10G preferred</li> <li>* All network ports on front of chassis</li> <li>* At least 4 ports of 100G/200G using Mellanox ConnectX-6/ConnectX-7</li> </ul> </li> <li>NICs <ul style="list-style-type: none"> <li>* Each card connected using PCIe5x16</li> <li>* Availability of 1/10/40G ports: Intel NICs preferred</li> <li>* Hardware bypass a bonus</li> </ul> </li> <li>* GPU <ul style="list-style-type: none"> <li>* Not required, interested in options</li> </ul> </li> <li>* Management <ul style="list-style-type: none"> <li>* Serial console port</li> <li>* TPM 2.0 module</li> <li>* USB ports, 2 minimum</li> </ul> </li> <li>* Cooling <ul style="list-style-type: none"> <li>* Multiple fans, hot swappable preferred</li> </ul> </li> <li>* Power <ul style="list-style-type: none"> <li>* AC power supply, US cords, redundant preferred</li> </ul> </li> <li>* Chassis <ul style="list-style-type: none"> <li>* 19" width with slider rails</li> <li>* 1U preferred, 2U maximum</li> </ul> </li> <li>* Preferred customization <ul style="list-style-type: none"> <li>* DMI table - manufacturer, model name, serial number</li> <li>* Program NIC MAC addresses based on provided range</li> <li>* Chassis front markings - logo or custom text"</li> </ul> </li> </ul>
List required materials needed to make the product, including materials of product components	Various electrical components and plastic casings
Are there applicable certification requirements?	Yes
Certification(s) required	UL
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	Yes
Details	UL (Underwriters Laboratories) and CE (Conformité Européenne) safety, FCC (part 15)/CE EMI compatibility
Additional Technical Comments	

**Section 4: Business Information**

Estimated potential business volume	10 per order, roughly 100 annually at first
Estimated target price / unit cost information (if unavailable explain)	Dependent on configuration. Please provide best quote.
When is it needed by?	September 2025
Describe packaging requirements	Per-unit packaging suitable for individual shipping
Where will this item be shipped?	Southwestern Virginia

**Additional Comments**

Is there other information you would like to include?	
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