

Next Generation Data Infrastructure



200GbE



Unified
Namespace



Data Safety &
Sharing



All Flash Storage



High Speed



Large Capacity



E1001
Desktop Data Node

Your Private Data Infrastructure

Local LLM

Integrated training and inference

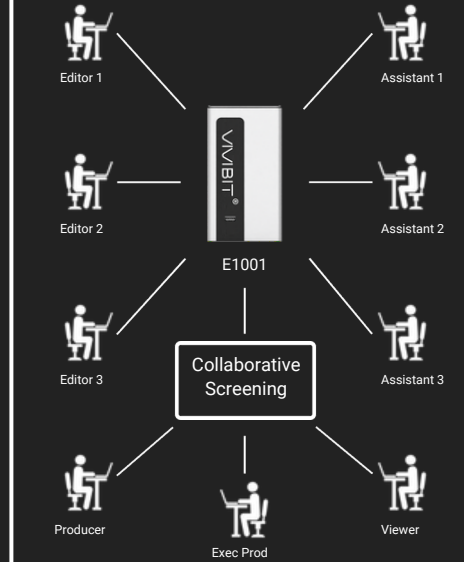


Scalable

Cloud Native Architecture



Collaboration



8-Core ARM
Neoverse-N2



2x10GbE (RJ45) Port
4x50GbE / 2x100GbE (QSFP)

Up to 64GB
DDR5

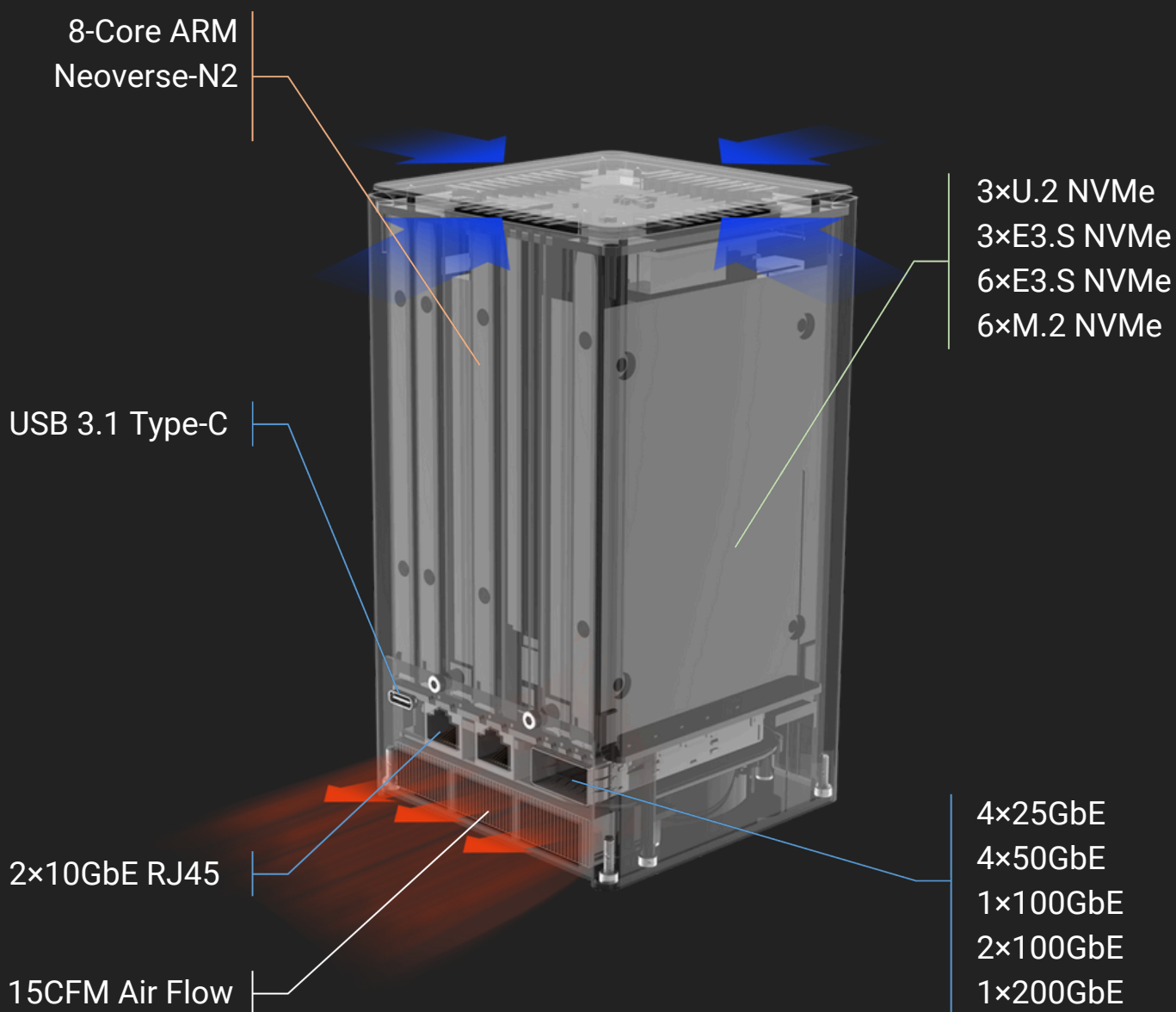
Up to
366TB

Linux
Mac OS
Windows

Professional
Data Safety



High Performance Storage, Compute, and Transmission System



VIVIBIT[®]



System Specification

E1001

Storage	366TB Max
CPU	8-Core ARM Neoverse-N2
RAM	64GB DDR5 Max
QSFP56	4×50GbE / 2×100GbE
RJ45 Port	2×10GbE
PCIe	PCIe 5.0
USB	2×Type-C 1×Type-A
Power Supply	USB Type-C 100W

Next Generation Data Infrastructure



collaboration



Unified
Namespace



Data Safety



All Flash Storage



High Speed



Large Capacity



E1001 NX
Desktop Data Node

Your Private Data Infrastructure

Local LLM

Integrated training and inference

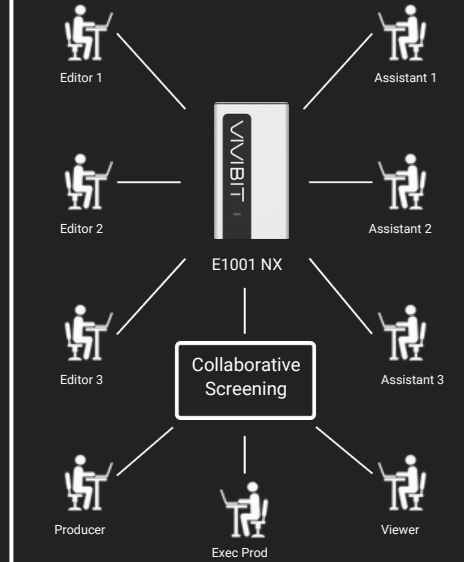


Scalable

Cloud Native Architecture



Collaboration



8-Core ARM
Cortex-A78AE



1×10GbE RJ45
+
1×1GbE RJ45

Up to 16GB
DDR5

Up to
366TB

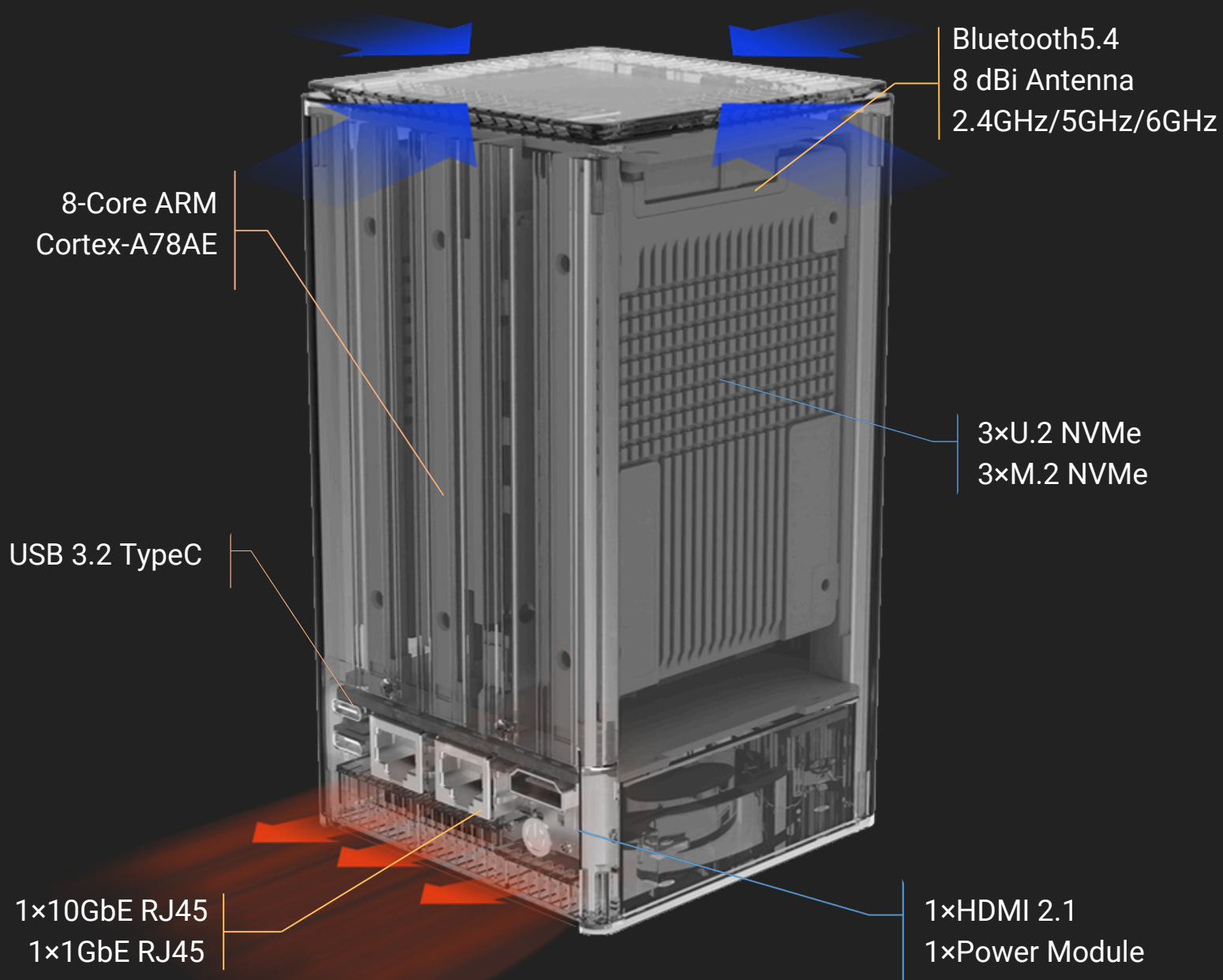
Linux
Mac OS
Windows

Professional
Data Safety



VIVIBIT[®]

High Performance Storage, Compute, and Transmission System



VIVIBIT[®]



System Specification

	E1001 Lite	E1001 NX
Storage	366TB Max	366TB Max
CPU	6-Core ARM Cortex-A78AE	8-Core ARM Cortex-A78AE
RAM	8GB DDR5	16GB DDR5
AI Performance	67 TOPS	157 TOPS
Video Codec	≤11 streams 1080p@30fps	≤18 streams 1080p@30fps
RJ45 Port	1×10GbE 1×1GbE	1×10GbE 1×1GbE
PCIe	PCIe 4.0	PCIe 4.0
USB	3×Type-C	3×Type-C
Power Supply	≤100W	≤100W

Next Generation Data Infrastructure



Full Mesh
Architecture



Unified
Namespace



Data Safety &
Sharing



All Flash
Storage



High Speed



Large Capacity



E1005

Desktop Data Infra Superpod

Your Private Data Infrastructure

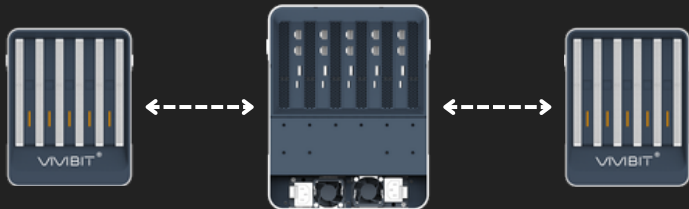
Local LLM

Integrated training and inference

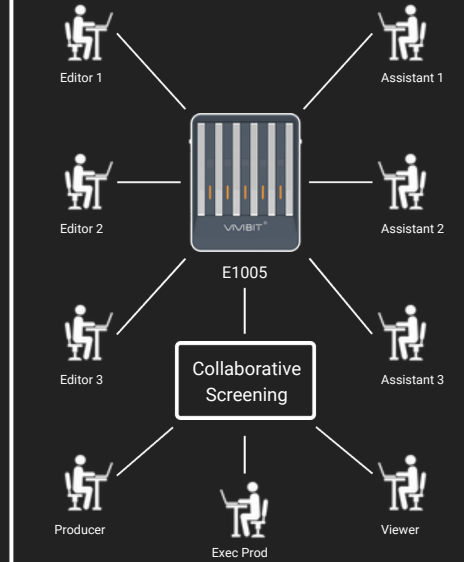


Scalable

Cloud Native Architecture



Collaboration



120-Core ARM
Neoverse-N2



1 Tbps Full-Mesh Backplane
+
10x10GbE Rear Panel Ports

960GB
DDR5

0.6PB NVMe
SSD U.2

Linux
Mac OS
Windows

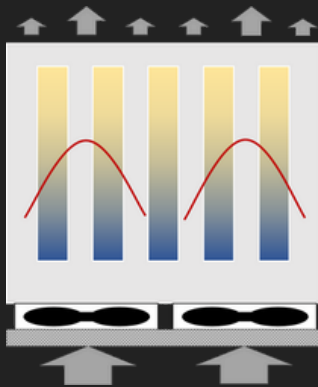
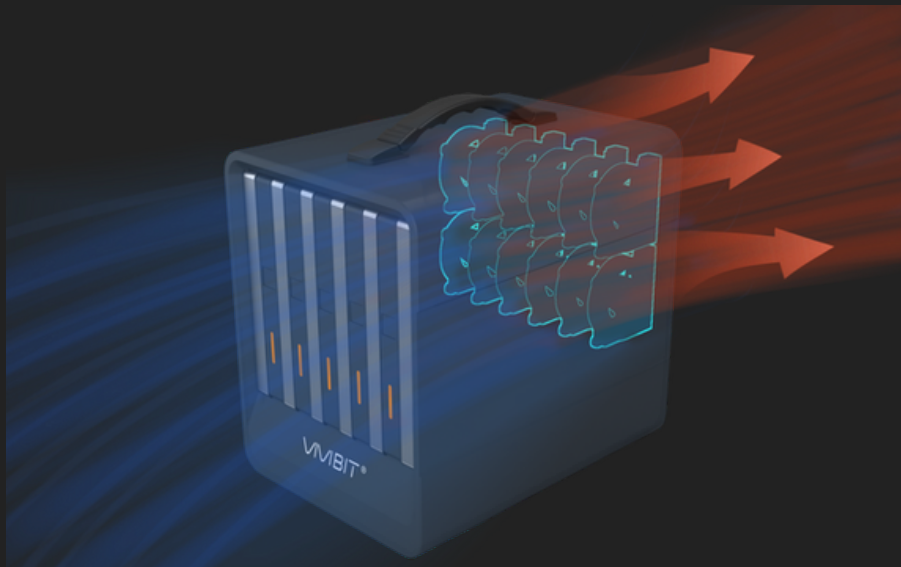
Professional
Data Safety



Distributed Thermal System

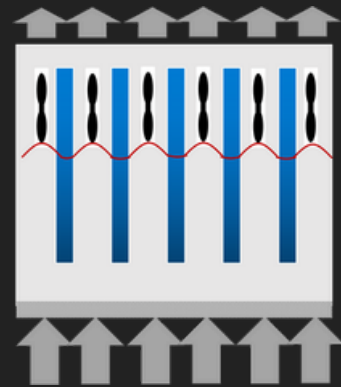
Maximum Airflow of 180 CFM
with Up to 4 Blowers per vBlade

Fan Speed Controlled On-Demand to Minimize Noise



Traditional Thermal System

- Unbalanced Air Flow
- High Air Resistance



E1005 Thermal System

- Evenly Distributed Air Flow
- Ultra Low Air Resistance

vBlade Specifications



M108

M124

	M108	M124
Storage	122.8TB Max	122.8TB Max
CPU	8-Core ARM Neoverse-N2	24-Core ARM Neoverse-N2
RAM	Max 64GB DDR5	Max 192GB DDR5
GPU Model	MX102/MX106	MX106
VRAM	20GB Max	20GB Max
AI Performance	80 TFLOPS	306.8 TFLOPS
High-speed Ethernet	4×50GbE	4×50GbE
RJ45 Port	2×10GbE	2×10GbE
PCIe	PCIe 5.0	PCIe 5.0
USB	1×Type-C 1×Type-A	1×Type-C 1×Type-A

Next Generation Data Infrastructure



Full Mesh
Interconnected



Unified
Namespace



Data Safety &
Sharing



All Flash
Storage



High Efficiency
R/W



Local
Training & Inference



E1005 Pro

Desktop Data Infra Superpod

Your Private Data Infrastructure

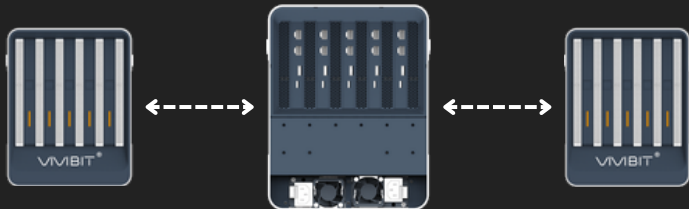
Local LLM

Integrated training and inference

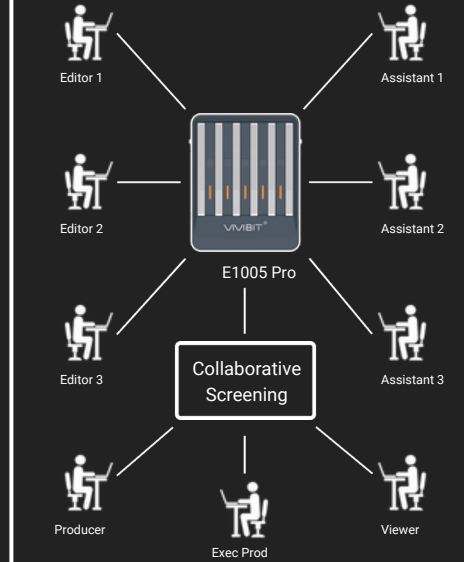


Scalable

Cloud Native Architecture



Collaboration



70-Core ARM
Neoverse-V3AE



1 Tbps Full-Mesh Backplane
+
10x10GbE Rear Panel Ports

640GB
DDR5

1.2PB NVMe
SSD U.2

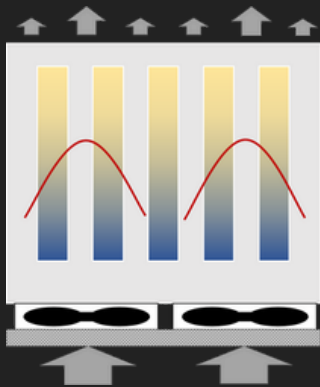
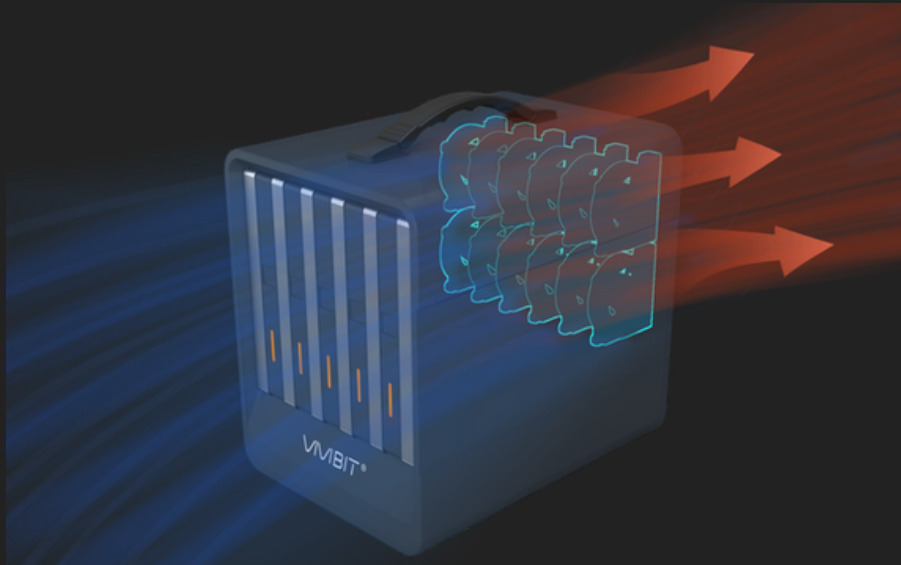
Linux
Mac OS
Windows

Professional
Data Safety



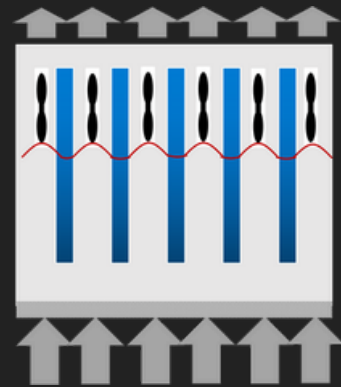
Distributed Thermal System

Maximum Airflow of 180 CFM
with Up to 4 Blowers per vBlade
Fan Speed Controlled On-Demand to Minimize Noise



Traditional Thermal System

- Unbalanced Air Flow
- High Air Resistance



E1005 Thermal System

- Evenly Distributed Air Flow
- Ultra Low Air Resistance

vBlade Specifications



	M112	M114
Storage	245TB Max	245TB Max
CPU	12-Core ARM Neoverse V3AE	14-Core ARM Neoverse V3AE
Memory	64GB (Unified Memory)	128GB (Unified Memory)
GPU Model	MX110	MX111
GPU Memory	64GB	128GB
AI Performance	1.2 PFLOPS	2 PFLOPS
High-speed Ethernet	3×25GbE	4×25GbE
RJ45 Port	2×10GbE	2×10GbE
PCIe	PCIe 5.0	PCIe 5.0
USB	2×Type-C 2×Type-A	2×Type-C 2×Type-A