

Powering AI at Scale: Inside the UALink™ Ecosystem

Kurtis Bowman (AMD), Helia Naeimi (Astera Labs), Josh Collier (Intel), Matt Holdrege (Microchip), and Priyank Shukla (Synopsys)



Powering AI at Scale: Inside the UALink™ Ecosystem

UALink Consortium Mission: To unite the ecosystem in delivering UALink, an open standard, for AI scale-up networking that meets the escalating computing demands of AI applications.

UALink Consortium Vision: Unleashing the full potential of open, optimized, high-performance, scale-up connectivity to enable transformative AI solutions.

Panel Agenda

ULTRA ACCELERATOR LINK™

1. Introduction
2. UALink Ecosystem and Infrastructure Discussion
3. The Future of UALink Technology
4. Audience Q&A

Introductions



Kurtis Bowman
Board Chair (UALink Consortium)
Director of Architecture and Strategy (AMD)



Helia Naeimi
Sr. Director of Technology (Astera Labs)



Josh Collier
Sr. Principal Engineer (Intel Corporation)



Matt Holdrege
Associate Fellow (Microchip)



Priyank Shukla
Board Member (UALink Consortium)
Sr. Director of Product Management (Synopsys)

UALink: The Open Protocol for AI Scale-Up Networking



Any CPU

Any Accelerator

Any Switch

Any Company

ULTRA ACCELERATOR LINK™

UALink Ecosystem and Infrastructure Discussion

The UALink Consortium defines a low-latency, high-bandwidth interconnect purpose-built for communication between accelerators and switches within AI compute pods, enabling next-generation disaggregated architectures.



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(AMD)



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(Astera Labs)



Josh Collier
(Intel)



Matt Holdrege
(Microchip)



Priyank Shukla
(Synopsys)

ULTRA ACCELERATOR LINK™

The Future of UALink Technology

UALink: Unleashing the full potential of open, optimized, high-performance, scale-up connectivity to enable transformative AI solutions.



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UALink™ Specification Roadmap

ULTRA ACCELERATOR LINK™

	2025	2026	2027
UALink Common Protocol/TL/Security/ RAS/Host Int	UALink 200G 1.0 April 2025 UALink 1.1 3Q25	UALink 2.0 Add Collectives April 2026	UALink 3.0 New features 2027
DL/PL	UALink 128G 1.0 3Q25	UALink 2.0 ECR/Errata April 2026	UALink 3.0 Increase bandwidth 2027
Systems & Manageability		UALink Mgmt 1.0 April 2026	UALink Mgmt 2.0 New features 2027
Compliance & Interoperability		UALink Compliance 1.0 4Q26	UALink Compliance 2.0 2027
Chiplet		UALink Chiplet 1.0 April 2026	UALink Chiplet 2.0 2027

Q&A



Thank You!

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