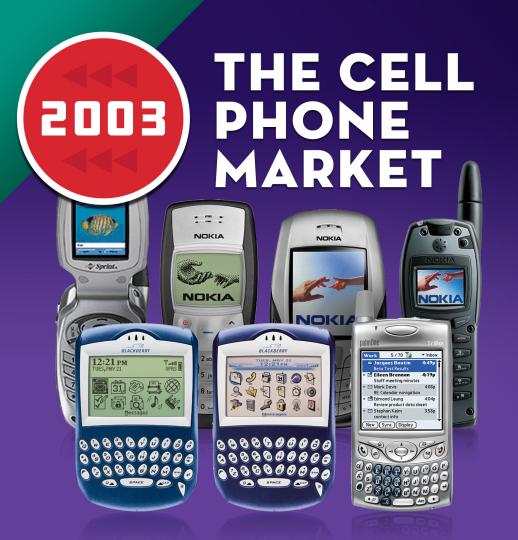


Peter LefkinManaging Director, MIPI Alliance

State of the Alliance

MIPI ALLIANCE DEVELOPERS CONFERENCE 22-23 SEPTEMBER 2020

MOBILE & BEYOND





IN 2003
MIPI ALLIANCE
WAS FORMED
TO STANDARDIZE
CAMERA AND
DISPLAY
INTERFACES





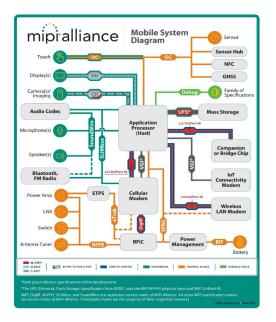
MIPI ALLIANCE HAS
DEVELOPED ROUGHLY
50 SPECIFICATIONS
COVERING THE FULL
RANGE OF INTERFACE
APPLICATIONS NEEDED
FOR MOBILE DEVICES



MIPI Specifications Leveraged Beyond Mobile

Number of current specifications









MIPI Alliance Member Ecosystem

Automotive OEMs/ Tier 1 suppliers

Application Processor Developers

Semiconductor

Companies

mipi[®] alliance

Test Equipment Companies

Test Labs Device OEMs

Consumer Electronics

(Cameras, Tablets, PCs/Laptops, Peripherals, Wearables)

Software Providers

IP and VIP Providers







Board and Contributor Members

Contributor Members



Board Members





MIPI Alliance Focus Areas

MIPI ALLIANCE DEVELOPERS CONFERENCE

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MIPI.ORG/DEVCON



Automotive SerDes



NOW AVAILABLE TO MIPI MEMBERS

MIPI A-PHY[™] v1.0 **Asymmetric SerDes Specification for Automotive**



LEARN MORE ABOUT MASS AND A-PHY:



Edo Cohen Ariel Lasry





MASS: Automotive **Displays Using VDC-M Visually Lossless Compression**







10:30-11:00 PDT MASS: Is There a Need for a **New Automotive** SerDes?

James Goel

Kevin Yee

Andreas Lock Hezi Saar

Rick Wietfeldt



MIPI Specifications in IoT





White Paper: Enabling the IoT Opportunity

A closer look at:

- **IoT opportunities** and rapidly growing markets
- How MIPI specifications meet key engineering design goals
- **loT use cases** in smart home, consumer loT, wearables, smart factory, smart city and healthcare









Advancing 5G



WIRING THE FUTURE OF 5G

RFFE v3.0 Released April 2020

Delivers the tighter timing precision and reduced latencies needed to advance 5G rollout around the world.

Enhanced triggering features and functionality for synchronizing and scheduling changes in register settings, either within a slave device or across multiple devices:

- Timed triggers
- Mappable triggers
- Extended triggers



Join tomorrow's presentation:

Snapshot of MIPI RFFE v3.0SM from a System-Architecture Perspective
(10:00 AM PDT) with Lalan Mishra, vice chair of the MIPI RFFE Working Group



MIPI Security: Collaborating on a Framework

- **Security Investigation Group** formed in 2019 to lead the initiative, with input from multiple working groups.
- Focus is on a MIPI Security Framework that will steer the development of new security capabilities across the suite of MIPI specifications.
 - Includes methods for authentication, integrity and encryption to secure the camera and display peripherals to their host (ECU) controllers.
- Collaborating with working groups to develop security specifications for MIPI protocols





MIPI Liaisons: Extending Our Ecosystem





















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Follow on us the MIPI blog



- Specification insights from working group leaders
- FAQs about new specifications and their implementations
- Q&As with industry leaders
- Event updates
- Industry and Alliance news

www.mipi.org/blog



Thank You... to MIPI Alliance members for their contributions and support.

Thank You... to MIPI DevCon attendees, speakers, demo participants and sponsors.

Contact me: Peter.Lefkin@team.mipi.org



THANK YOU

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