mipi DEVCON
MIPI ALLIANCE DEVELOPERS CONFERENCE

20-21 SEPTEMBER 2022

Peter Lefkin
MIPI Alliance Executive Director

State of the Alliance

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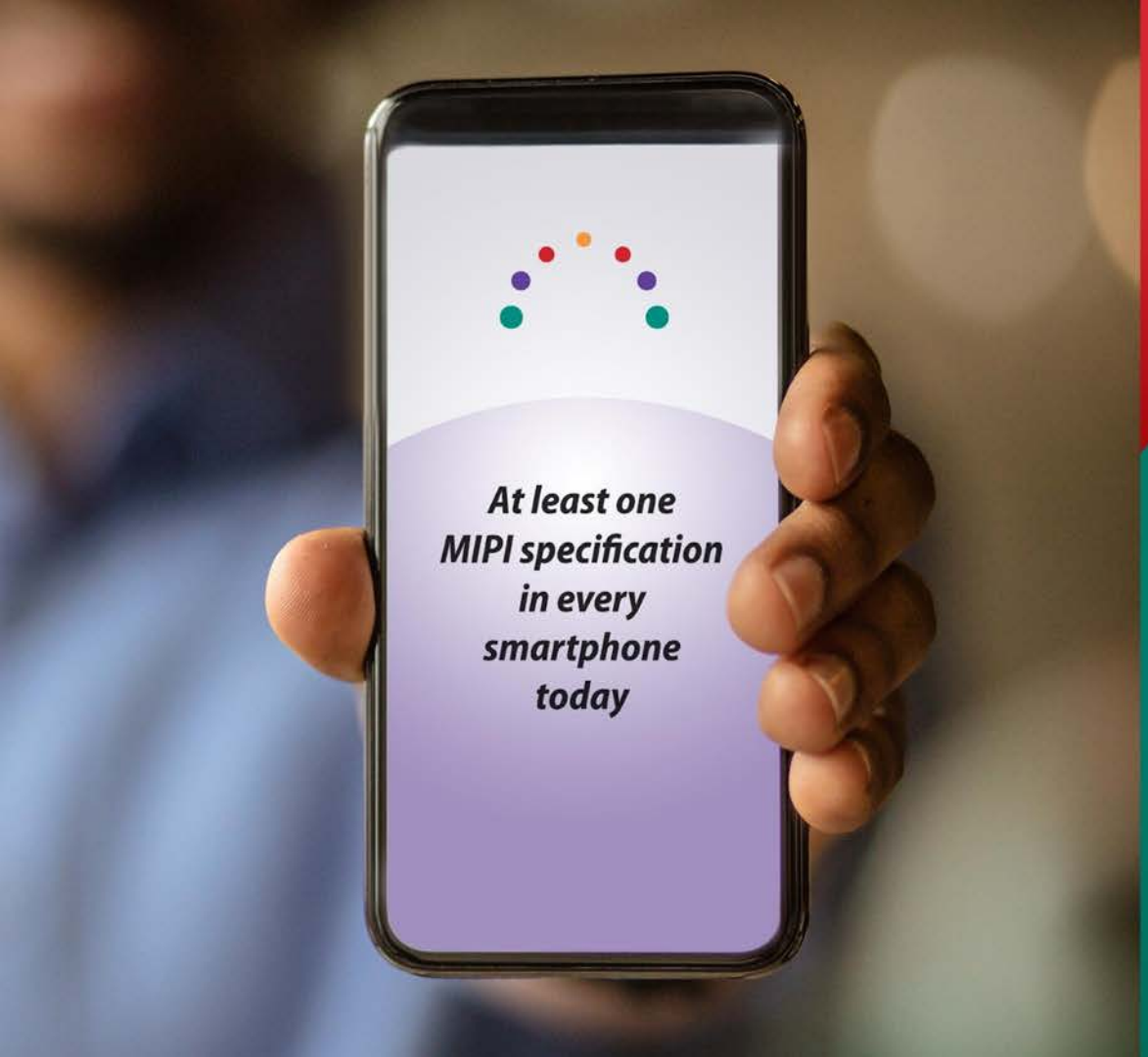
2003 THE CELLPHONE MARKET

2003

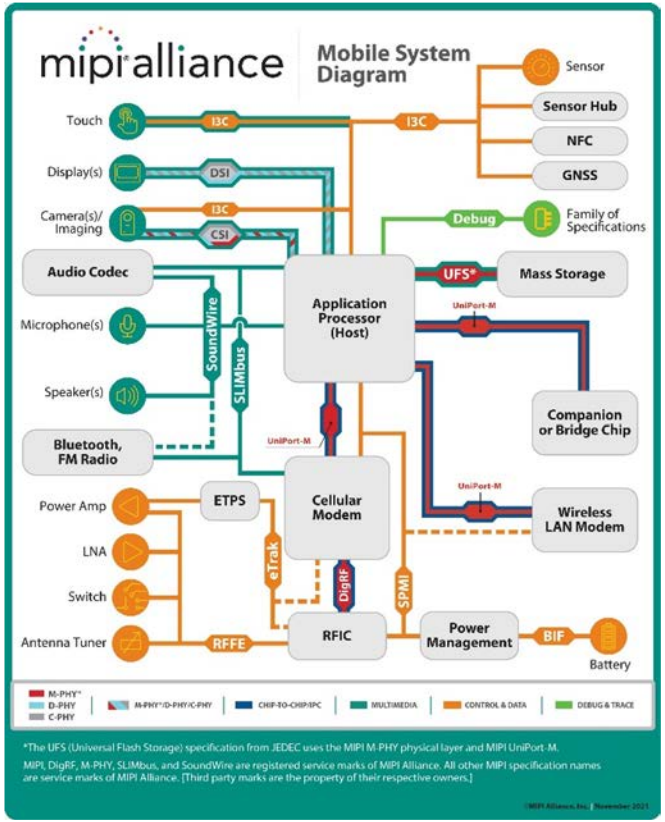
MIPI ALLIANCE FORMED TO STANDARDIZE CAMERA AND DISPLAY INTERFACES



2022

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

MIPI Specifications Leveraged Beyond Mobile



50+
Current specifications

Fundamentally, usage rights are granted to members royalty free for implementation of MIPI specifications from all MIPI members

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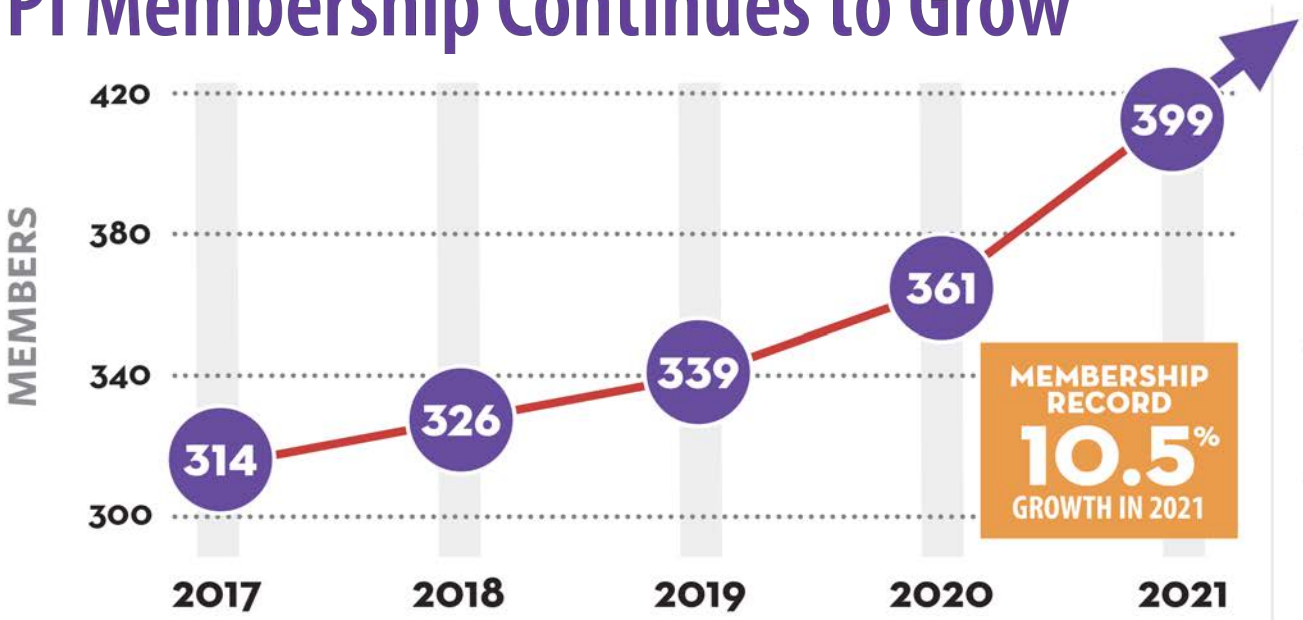
MIPI Membership Continues to Grow



STRONG PATH CONTINUES

2022 TO DATE

408 MEMBERS

60 NEW MEMBERS

7 NEW CONTRIBUTORS

FIVE-YEAR MEMBERSHIP GROWTH (# OF COMPANIES):
+27.1%

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MIPI Alliance Member Ecosystem

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Board Members

intel. Qualcomm BOSCH SAMSUNG SYNOPSYS® Texas Instruments

Contributor Members

AMD Advantest alpha AlpsenTek Analog Devices Analogix

Arasan ARM AVIVA Axonne

Beijing ASL Technology Co., Ltd. BitifEye cadence Cirrus Logic DELL ESWIN

Google GRL HiSilicon Infineon introspect

InvenSense Keysight Kioxia ROC Lattice

LAUTERBACH LX Semicon M31 Marvell MediaTek Micron

Microsoft mixel molex muRata

NVIDIA NXP OmniVision onsemi Parade PHISON

Prodigy Protocol Insight qorvo Realtek SENARYTECH SIEMENS

SiliconMotion SK hynix SKYWORKS SmartDV

socionext Sonic Star Global Limited SONY Synaptics Tektronix

TERADYNE iol InterOperability Laboratory Valens VANCHIP Western Digital

XILINX XL/TWEI ZEKU

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MIPI Groups

Board of Directors

STEERING GROUPS

- Technical Steering Group
- Marketing Steering Group
- PHY Steering Group

TECHNICAL WORKING GROUPS

Audio	Camera	Debug	Display	I3C
A-PHY	C-PHY	D-PHY	M-PHY	RFFE
Security	Software	Test	UniPro	

SUBGROUPS & OTHER GROUPS

Audio PHY Subgroup	Camera Adaptation Layer Subgroup	Camera Service Extension Subgroup	DevCon Steering Committee	Display PAL/eDP-DP Subgroup
I3C Basic Ad Hoc Working Group	I3C HCI Subgroup	IoT Interest Group	SoundWire Device Class Subgroup	TSG Automotive Subgroup

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Liaisons: Extending The MIPI Ecosystem

ASAM

DMTF

ETSI

IEEE
Advancing Technology for Humanity

JasPar

JEDEC

OPENRF

PCI SIG

RISC-V

TCA TRUSTED CONNECTIVITY ALLIANCE

UFSA

USB
Enabling Connections™

VESA

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MIPI Alliance Team

Technical Operations

Rob Anhofer
Director of Operations, PM for TSG

Ankit Rohatgi
PM for Audio, Auto, I3C/Basic & Test

George Goodman
PM for A-PHY, Display, RFFE & Security

Rob Santoro
PM for Camera, M-PHY & Software

Katie Valenti
PM for Debug & UniPro

Chris Grigg
Lead Technical Editor & Specification Document Manager

Eddie Ashfield
Technical Author

Marketing, Membership & Events

Sharmion Kerley
Director of Marketing and Membership

Dervla O'Reilly
Senior Event Manager, PM for MIPI DevCon SC

Lisa Magliaro
Senior Membership Coordinator

Christina Slape
Member Communications Manager

Melanie Cole
Special Projects Manager

Becky Obbema
Interprose PR for MIPI

Peter Lefkin
Executive Director

Technical Consultants

Michele Scarlatella
IoT Technical Consultant

Haran Thanigasalam
Camera and Imaging Consultant

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20-21 SEPTEMBER 2022

Recent Milestones

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Return to In-Person Member Meetings

Leadership transition

I3C Interop Workshop

Annual Awards Ceremony

Demo Day

UPCOMING MEMBER MEETINGS IN

VANCOUVER
(October 2022)
& LISBON
(March 2023)

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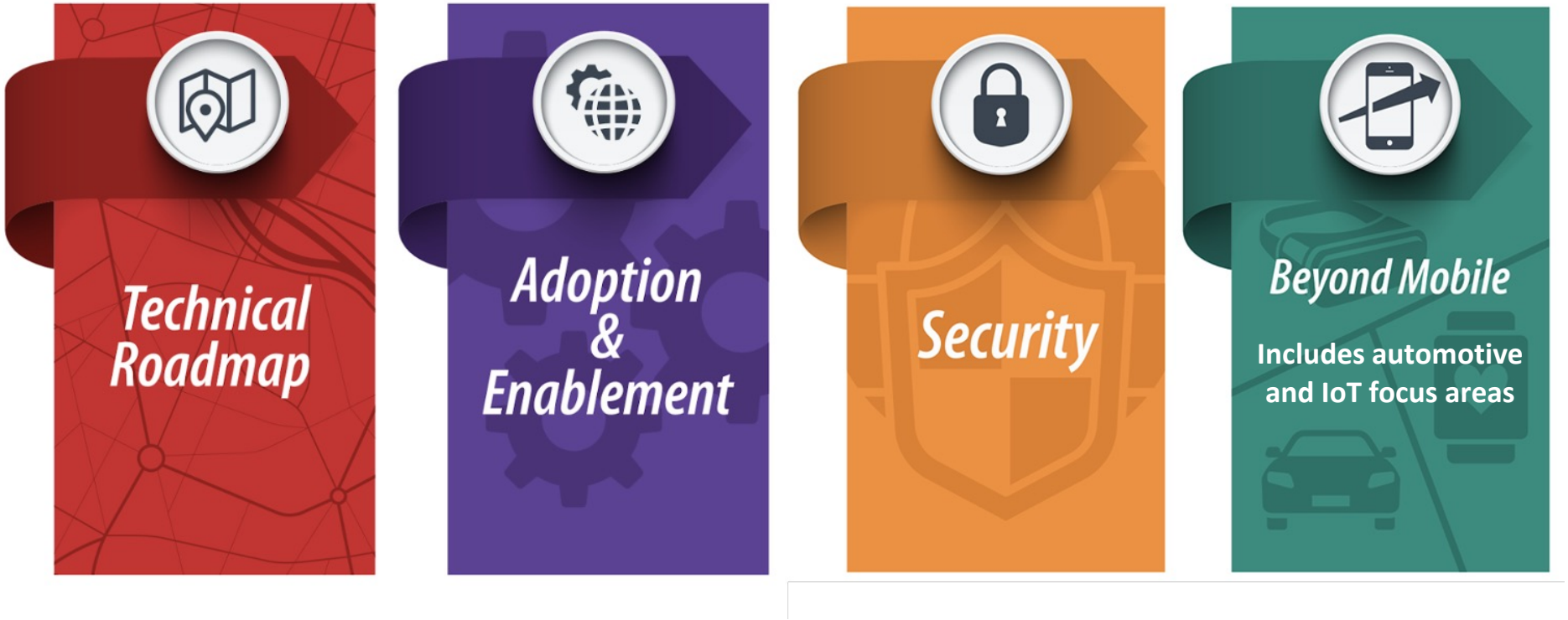
Strategic Priorities



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Technical Roadmap

9 Specifications Adopted (YTD)

12 total by EOY 2022

17 Adoptions in 2021

Inclusive language updates on track

LIAISON MILESTONES

MIPI I3C Basic in ETSI SSP

USB I3C Device Class Specification

JEDEC UFS Incorporates MIPI UniPro® v2.0 & MIPI M-PHY®

Opening Session tomorrow

20-21 SEPTEMBER 2022

What's New and Coming Up on the MIPI PHY Roadmap

21 SEP | 07:05-07:45 PDT

Kirill Dimitrov
MIPI M-PHY Working Group Chair

Edo Cohen
MIPI A-PHY Working Group Co-Chair

Raj Kumar Nagpal
MIPI A-PHY Working Group Co-Chair

George Wiley
MIPI C-PHY Working Group Chair

SPEAKERS mipiDEVCON MOBILE & BEYOND

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Security

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Contributor members invited to join the Security Working Group

Don't miss the Security session later today

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Beyond Mobile: Automotive

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More automotive sessions today

20-21 SEPTEMBER 2022

MIPI Automotive SerDes Solutions: New Developments in A-PHY and the MASS Connectivity Framework

20 SEP | 07:30-08:10 PDT

Ariel Lasry
Qualcomm

Edo Cohen
Valens Semiconductor

Raj Kumar Nagpal
Synopsys, Inc.

SPEAKERS mipiDEVCON MOBILE & BEYOND

20-21 SEPTEMBER 2022

How to Engage in Data-Driven Development and Testing Using MIPI Automotive Sensor Interfaces

20 SEP | 08:15-08:55 PDT

Gregor Sievers, Ph.D.
dSPACE GmbH

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SPEAKER MOBILE & BEYOND

20-21 SEPTEMBER 2022

MIPI Sensor Solutions for Autonomous Driving

20 SEP | 09:00-09:40 PDT

Joe Rodriguez
Rambus, Inc.

Justin Endo
Mixel, Inc.

SPEAKERS mipiDEVCON MOBILE & BEYOND

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Beyond Mobile: IoT

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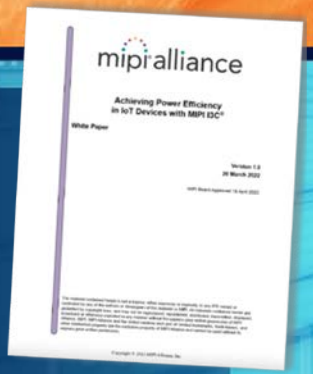
NEW MIPI WHITE PAPER

Achieving Power Efficiency in IoT Devices with MIPI I3C®

Find out how I3C features support energy-efficient designs



Join the IoT Interest Group

(Open to Adopter members)

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Adoption & Enablement

2022 Events

January Automotive Industry Forum

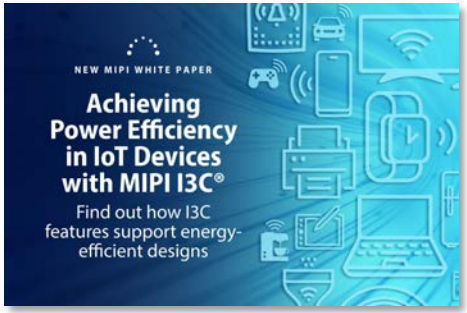
May Webinar: MIPI Webinar: Achieving Optimal Energy and Power Efficiency in IoT Devices with MIPI I3C

Industry Conferences

IWPC ETSI Drive WORLD CONFERENCE AutoSens

New Resources

- Technical Supporting Documents
- Articles on the MIPI Blog
- IoT White Paper: Achieving Power Efficiency in IoT Devices with MIPI I3C



COMING IN NOVEMBER:
MIPI Automotive Workshop

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Looking Forward to 2023

15+

SPECIFICATIONS

Projected for 2023

EXPECTED RELEASES

- SoundWire I3S (SWI3S)
- MIPI Security Specification
- MIPI A-PHY v2.0
- New A-PHY PALs
- Updated Camera & Display Service Extensions

mipi DEVCON 2023

20th ANNIVERSARY

MEMBER MEETINGS

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20-21 SEPTEMBER 2022

THANK YOU!

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