



Protocol Insight® announces MIPI M-PHY® Gear 5 UFS 4.0 Ready UFS Protocol Analyzer and Exerciser

New Falcon C Series protocol analyzers and exercisers offer Trace Validation, UFS and MIPI UniPro protocol emulation with Run Time Control, and are upgradeable to HS-G5 UFS 4.0

Colorado Springs, Colorado, February 16, 2021 – Protocol Insight is announcing availability of the new Falcon C Series of UFS protocol analyzers and exercisers.

The Falcon series offer unique capabilities such as Smart Tune™ equalization and Eye Monitor, Trace Validation™, and Events view. The Falcon exerciser models also offer link traffic generation with error injection to perform host emulation, stress testing and compliance/conformance verification.

Smart Tune equalization and Eye Monitor can be used to evaluate the MIPI® M-PHY link quality and tune the analyzer to ensure error-free M-PHY symbol capture.

Trace Validation is a patented Artificial intelligence (AI) tool that uses complex state machine logic to analyze traces algorithmically without user inference or discernment. Trace Validation can perform complex analysis of link traffic, for example UFS packet latency or UniPro Link Startup Sequences.

The traffic generation capability with error injection allows UFS host emulation and margin/stress testing and can be used to execute the JEDEC and UniPro CTS tests using Run Time Control.

The new Falcon C series will continue to offer these powerful capabilities and is also M-PHY Gear 5 UFS 4.0 ready. Customers who order the Falcon C series will be able to take delivery of their Falcon protocol analyzer or exerciser/analyzer now and upgrade to UFS 4.0 Gear 5 later when available.

Pricing, configuration, and availability:

The Falcon G400C UFS protocol analyzer and G450C exerciser/analyzer supporting UFS 3.1, UniPro 1.8 and M-PHY 4.1 will start shipping April 30, 2021. The Raptor M300 and the Falcon B series will go to limited supply at that time.

The Falcon G500C protocol analyzer and G550C protocol exerciser/analyzer and the upgrades supporting UFS 4.0, UniPro 2.0 and M-PHY 5.0 HS-G5 are expected to be available late Q4 2021.

Upgradability to UFS 4.0, UniPro 2.0 and M-PHY 5.0 HS-G5 is only supported with the Falcon C series and not with earlier models.

Go to <http://www.protocolinsight.com/> or contact sales@protocolinsight.com for more details or pricing information.

Trace Validation™ is protected under US Patent No. 10,613,963.



PROTOCOL INSIGHT

About [Protocol Insight](#)

Protocol Insight (www.protocolinsight.com) offers test and measurement tools to customers developing mobile and mobile-influenced products, and consulting and design services to engineers implementing serial protocol interfaces.

Protocol Insight are the UFS and UniPro market leaders for protocol analysis and generation and have been shipping UFS and UniPro debug and analysis tools since 2014.

Protocol Insight is a UFS and MIPI expert, with a background in both M-PHY and D-PHY protocol exercisers and analyzers. Protocol Insight contributes to the development of the UniPro standard thru the UniPro and Test Working Groups and has served as Liaison between MIPI® and JEDEC® and UFSA.

For more information visit www.protocolinsight.com.

About [JEDEC](#)

JEDEC is the global leader in the development of standards for the microelectronics industry. Thousands of volunteers representing nearly 300 member companies work together in over 100 JEDEC committees and task groups to meet the needs of every segment of the industry, manufacturers and consumers alike. The publications and standards generated by JEDEC committees are accepted throughout the world. All JEDEC standards are available for download from the JEDEC website. For more information visit www.jedec.org.

About the [MIPI Alliance](#)

MIPI Alliance (MIPI) develops interface specifications for mobile and mobile-influenced industries. There is at least one MIPI specification in every smartphone manufactured today. Founded in 2003, the organization has over 325 member companies worldwide and 14 active working groups delivering specifications within the mobile ecosystem. Members of the organization include handset manufacturers, device OEMs, software providers, semiconductor companies, application processor developers, IP tool providers, test and test equipment companies, as well as camera, tablet and laptop manufacturers. For more information, please visit www.mipi.org.

About [UFSA](#)

The Universal Flash Storage Association (UFSA) was founded in 2010 as an open trade association to promote widespread adoption and acceptance of the UFS standard. For more information about UFSA: <http://www.ufsa.org/>

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