

VIA Labs Announces Immediate Availability of USB-IF Certified Power Delivery 3.0 Silicon

VP302 supports Programmable Power Supply for next-generation power adapter applications; VL103 supports Fast Role Swap for improved Charge-Through experiences

NEW TAIPEI CITY, TAIPEI, TAIWAN, May 24, 2018 /EINPresswire.com/ -- Taipei, Taiwan, May 24, 2018 - VIA Labs, Inc., a leading supplier of SuperSpeed USB and USB Power Delivery Controllers, today announced the immediate availability of two newly certified USB Power Delivery solutions. VIA Labs VP302 USB Type-C™ and USB PD Controller for Switching Mode Power Supply has achieved certification

for USB Power Delivery 3.0 with Programmable Power Supply support (USB-IF TID: 1000130), and the VIA Labs VL103 DisplayPort Alternate Mode & Power Delivery 3.0 Controller for USB-C Devices achieved certification for USB Power Delivery 3.0 (USB-IF TID: 1080024).



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Terrance Shih

The VIA Labs VP302 is optimized for next-generation USB Type-C wall charger and power adapter applications that support real-time finely adjustable voltage and current output. The new Programmable Power Supply capability is the foundation for several new fast charging methods that promise not only more rapid charging, but also lower device temperature when compared to legacy methods.

Maintaining low device temperatures while charging is especially important in thin and light devices, since the heat from charging a battery also counts toward the total thermal design power (TDP) of the device. “Users generally expect

higher performance from their portable devices when they’re plugged in and charging, but this isn’t always the case when using legacy charging methods,” said Terrance Shih, Business Development Manager, VIA Labs, Inc. “In cases where the cooling capacity of a chassis is similar to the processor TDP, that device might actually run more slowly when connected to a legacy charger since some of the thermal headroom that was previously available to the processor is now shared with the battery and charging circuits.”

The VIA Labs VL103 is optimized for USB Type-C peripheral, dongle, and dock applications, and optionally supports Fast Role Swap when used in Charge-Through configuration. On top of basic

power negotiation capabilities which enable up to 100W to be delivered per the USB Power Delivery specification, VL103 also simultaneously supports USB Data Transfer and Video Output across a single USB Type-C connection.

“As one of the first companies to bring certified USB Power Delivery 3.0 silicon to market, VIA Labs is further extending its leadership in contributing to and bringing the latest USB-IF standards to life,” continued Shih. “Most USB Type-C Applications that benefit from PD 3.0 features such as Programmable Power Supply or Fast Role Swap can utilize these new solutions, and VLI is excited to showcase its expanding portfolio of USB data connectivity, power delivery, and other application specific platform products at Computex this year.”

USB-IF certification provides the assurance that products based on these certified components will interoperate with the billions of compliant USB-enabled devices available on the market while delivering the speed, efficiency, and power specified by USB standards.

VIA Labs VP302 and VL103 Availability

The VIA Labs VP302 USB Type-C and USB Power Delivery Controller for Switching Mode Power Supply and VL103 DisplayPort Alternate Mode & Power Delivery 3.0 Controllers are available now and shipping in quantity. For information on pricing, please contact your local VIA Labs sales representative or send an email to: sales@via-labs.com.tw

For more information about the VIA Labs VP302, please visit:

http://www.via-labs.com/product_show.php?id=91

For more information about the VIA Labs VL103, please visit:

http://www.via-labs.com/product_show.php?id=92

For images related to this PR, please visit:

<https://www.viagallery.com/via-labs-vp302-and-vl103/>

Computex Location:

VIA Labs has a booth inside the USB-IF Community, No. M0834, located in Nangang Exhibition Center, 4F.

About VIA Labs, Inc.

VIA Labs, Inc. is a leading supplier of SuperSpeed USB and Power Delivery Controllers, based on the latest USB-IF Standards. A wholly owned subsidiary VIA Technologies, Inc, VIA Labs leverages its expertise in analog circuit design, high-speed serial interfaces, and systems integration to create a rich product portfolio that includes USB Host, Hub, and Device controllers in addition to USB PD and charging controllers. VIA Labs, Inc. has demonstrated technology and industry leadership through Standards Development and bringing newly developed USB Technologies to market. www.via-labs.com

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