

For immediate release – 4 August 2021

USB Power Delivery (PD) Controller IC Market to Double over 5 Years

Continued transitions to USB Type-C, demand for fast charging, downstream ports for charging peripherals and new opportunities driven by higher power capabilities in USB power delivery specification revision 3.1, are forecast to drive strong growth for USB PD controllers over the next five years, according to expert analysis by SAR Insight & Consulting.

The latest report from the market intelligence firm—‘USB Power ICs: Market Growth, Technology Trends, IC Analysis’—explores market opportunities across 43 end-markets, including detailed forecasts by IC type, charging technology and connector type.

While transitions to USB Type-C and adoption of USB PD have already occurred in many higher-tier products in volume applications such as smartphones and PCs, mid-tier and lower-tier product adoption is predicted to drive sustained growth for USB PD controller ICs from 2021 to 2026.

“USB PD has been adopted to enable fast charging in flagship smartphones and PCs by leading OEMs including Apple, Samsung and Google” the report’s author Ryan Sanderson said. “As the cost of implementing USB PD continues to decrease in both the end-device and associated power adapter we are now seeing adoption filter through into lower cost products.”

This trend, however, isn’t the only one predicted to fuel additional growth throughout the next five years.

“Additional growth for USB PD controller ICs is being driven by two key trends. The first is the addition of downstream ports added to products to enable powering external peripherals. Examples include PC monitors which are capable of charging notebooks directly and products such as Sony’s PS5 which has full 100W USB PD support for powering external devices”, Sanderson added.

“The second trend is adoption of USB PD in applications which require more than 100W of power, made possible by USB power delivery specification revision 3.1, which increases the previous 100W limit to enable delivery of up to 240W. It’s unlikely products will enter the market until late 2022/early 2023, though SAR predicts this will open up growth in industrial and medical applications”, Ryan said.

These findings are from SAR Insight & Consulting’s recently published study on ‘USB Power ICs: Market Growth, Technology Trends, IC Analysis,’ which is published as part of its annual USB Power and Charging service.

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Note to editors: [SAR Insight & Consulting](#) provides detailed quantitative and qualitative research on established and emerging technology markets across multiple end applications. www.sarinsight.com