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IDT Introduces Wireless Power Solution Supporting Authentication and Bi-Directional Data Transfer

15W wireless power rapid development kit enables authentication for proprietary industrial and medical solutions

SAN JOSE, Calif., Nov. 2, 2017 /PRNewswire/ -- Integrated Device Technology, Inc. (IDT®) (NASDAQ: IDTI) today announced a 15W wireless power chipset featuring a bi-directional communication channel between the transmitter and receiver. The communication channel enables customers to authenticate a wirelessly-charged receiver device with a specific charging transmitter base and to transfer data without any additional hardware. This is the industry's first widely available 15W solution offering proprietary pairing of transmit and receive solutions for myriad wireless power applications.



The IDT® [P9242-R3](#) and [P9221-R3](#) are 15W wireless power transmitter and receiver ICs, respectively, that are included on the transmitter and receiver boards in the [WP15WBD-RK](#) Evaluation Kit. In-band, bi-directional communication is achieved by communicating signals between the wireless power coils using IDT's embedded microprocessor technology combined with proprietary algorithms - no additional coils, antennas, or components are required.

"IDT continues to lead the wireless power semiconductor market with the addition of value-added features that allow customers to add more intelligence and differentiate their wireless power systems," said Laurence McGarry, Product Marketing Director of the Wireless Power Division at IDT. "Charging base authentication has become an important requirement for many of our customers who need control over their end-to-end charging system. Our solution makes this easy to accomplish and offers additional capabilities for improving user experience or transferring data without the need for additional hardware."

The bi-directional evaluation kit adds bi-directional communication to IDT's standard, WPC 1.2-compliant, 15W transmitter [P9242-R3](#) and receiver [P9221-R3](#) evaluation kits without compromising any existing features. The solution delivers industry-leading power conversion efficiency of over 87% from transmitter input to receiver output.

The WP15WBD-RK wireless power evaluation kit includes easy-to-use reference boards and comprehensive design support collateral - easing system integration and enabling immediate prototyping. To learn more and request samples, visit www.IDT.com/WP15WBD-RK. For more information about IDT's industry-leading portfolio of wireless power solutions, visit www.IDT.com/wirelesspower or contact your local IDT sales representative.

About IDT

Integrated Device Technology, Inc. develops system-level solutions that optimize its customers' applications. IDT's market-leading products in RF, high performance timing, memory interface, real-time interconnect, optical interconnect, wireless power, and smart sensors are among the company's broad array of complete mixed-signal solutions for the communications, computing, consumer, automotive and industrial segments. Headquartered in San Jose, Calif., IDT has design, manufacturing, sales facilities and distribution partners throughout the world. IDT stock is traded on the NASDAQ Global Select Stock Market® under the symbol "IDTI." Additional information about IDT can be found at www.IDT.com. Follow IDT on [Facebook](#), [LinkedIn](#), [Twitter](#), [YouTube](#)

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Krista Pavlakos
Director, Demand Creation & Communications
Phone: (408) 574-6640
Email: Krista.Pavlakos@idt.com



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