



PRESS RELEASE

Artesyn Embedded Technologies Announces New 85 Watt 1/16th Brick Fully Regulated dc-dc Converter

Tempe, Ariz. [30 June, 2014] — Artesyn Embedded Technologies, formerly Emerson Network Power's Embedded Computing & Power business, today announced the new [AVD85](#) family of 85 Watt, 1/16th brick, high efficiency, fully regulated dc-dc converters. The AVD85 offers excellent thermal performance, high power density of 72.5 W/in² and delivers a peak efficiency of 92 percent. Optimized for high density applications with restricted space, the AVD85 family provides an adjustable output voltage range with a 36 Vdc to 75 Vdc input range.

The high efficiency of the 1/16th brick converters yields an almost flat derating curve - for the baseplate version of the module - to 85 degrees Celsius ambient temperature under forced airflow conditions. The 3.3 and 12 V modules are the first voltage variants available as standard with the 5 V variant to follow. Standard product options include baseplate and open-frame, surface-mount or plated through-hole with different pin lengths and positive and negative enable options.

“The launch of the new AVD85 brick family follows the recent announcement of Artesyn's strategy to become the supplier of choice for board-mounted dc-dc power solutions,” said Andy Brown, technical marketing director for dc-dc products at Artesyn Embedded Technologies. “The AVD85 solutions are a part of the continuing enhancement of the product portfolio that will address the growing demand in the communications world for highly efficient power conversion with a lower cost of ownership.”

The AVD85 and other new dc-dc product ranges will be available through the company's [global channel network](#).

Artesyn's portfolio of dc-dc conversion products includes isolated dc-dc converters, covering industry-standard sixteenth to full-brick form factors and power ratings from 6 to

800 watts, and five application-optimized families of non-isolated dc-dc converters. The company also produces non-isolated memory power and voltage regulator modules (VRMs) for processors, as well as a series of special 300 V input high power dc-dc converters and power conditioning modules.

Notes to editors

A [high resolution picture](#) of the new AVD85 series dc-dc converter module is available.

About Artesyn Embedded Technologies

Artesyn Embedded Technologies is a global leader in the design and manufacture of highly reliable power conversion and embedded computing solutions for a wide range of industries including communications, computing, medical, military, aerospace and industrial. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective advanced network computing and power conversion solutions. Artesyn has over 20,000 employees worldwide across nine engineering centers of excellence, five world-class manufacturing facilities, and global sales and support offices.

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