



PRESS RELEASE

New Artesyn 1000 W Module for MicroMP Configurable Power Supply Can Replace Four Individual Modules at Half the Price

Tempe, Ariz. [1 August, 2016] — Artesyn Embedded Technologies today announced a new 1000 watt module for its next generation [MicroMP \(μMP\)](#) configurable power supply. Previously, applications that require a single output voltage around 1000 W would have used four single slot modules tied in parallel, but this new 1000 W module replaces those four modules with a single three-slot module, not only saving a slot but also half the cost of the previous four-module solution.

The SK module offers a nominal 24 V or 48 V output, adjustable from 18 to 30 V or 33 to 60 V respectively. It is ideal for medical and industrial applications requiring one higher power output with multiple additional outputs, which can be configured between 0.9 and 60 V using the existing μMP modules, enabling nearly limitless output power configurations. With modules connected in series the μMP16 case can achieve output voltages up to 360 Vdc.

The μMP configurable power supply series offers a maximum power output of 1800 watts in the μMP16 case, which offers a power density of 22.9 W/in³ and efficiency of up to 91 percent, making it even more cost effective for equipment that has multiple power input requirements. The power supply case features six slots that users can configure from a wide variety of adjustable power modules. This new generation μMP series has been redesigned with greater digital integration for increased reliability and a 36 percent reduction in fan noise over the first generation product.

The new μMP series is just one line in Artesyn's portfolio of [configurable](#) power supplies, which are renowned for their outstanding performance and reliability and for being cost effective. Artesyn's [ConfigPro™ online power supply configurator](#) helps customers find the optimal solution from the three million plus combinations enabled by its range of configurable power supplies. The ConfigPro tool makes it easier for industrial and

medical equipment designers to specify and use configurable power supplies and can, in many cases, eliminate the need for expensive custom solutions.

Artesyn's intuitive GUI-based control software, which can be downloaded free from www.artesyn.com/power/pmbusgui and used with Artesyn's configurable power supplies, provides users with superior flexibility, including real-time input voltage, current and temperature monitoring to provide at-a-glance performance confirmation.

Designed to ensure high efficiency and reliability – even in extreme environmental conditions – the μ MP16 is rated for performance at temperatures from -40 to 70 degrees Celsius. It can withstand a shock of more than 50 G and meets the MIL-STD-810G specification for vibration. The calculated mean time between failures is more than 350,000 hours at full load. Conformal coating is also available as an option.

The power supply is fully approved to the third edition of the EN60601-1 and UL ES60601-1 medical safety standards and with 2X Means of Patient Protection (MOPP), it can be used in non-patient contact and non-patient critical equipment.

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 ten engineering centers of excellence, four world-class manufacturing facilities, and global sales and support offices.

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