

## Power Supply Product

# 700 to 1500W Modular Power Supply Series has PMBus™ Communications Interface

July 2017

TDK Corporation announces the introduction of a PMBus™ communications interface option card for the 700 to 1500W rated QM series of modular power supplies. The PMBus™ (Power Management Bus) option is an open standard digital power management protocol, allowing power devices to communicate with each other. The QM power supplies are available with up to 16 outputs, have full medical MoPPs isolation and low acoustic noise.

The addition of PMBus™ allows the user or system to remotely turn the QM power supplies on and off (inhibit or enable mode), read back their incoming air temperatures, total operating hours, fan speed, fan status and manufacturing details. Up to eight QM power supplies can be connected to one controller. Included on the option card is a 5V 2A standby output (always on) and a “Fan Fail” signal output. In the event of the fan slowing due to bearing wear, or running fast because the inlet air is restricted, the signal (and interface bus) will indicate that preventative maintenance is required, avoiding costly unplanned equipment downtime.

The communications option can be selected when using the TDK-Lambda “Product Quick Finder” configuration tool. This web-based tool allows users to enter their desired output voltages and currents, select any options and be provided with an eight digit code for simplified quoting and ordering purposes. The program will automatically select the optimum product and configuration.

More information can be obtained at the following TDK-Lambda Americas website, <http://www.us.tdk-lambda.com/lp/products/qm-series.htm>, or by calling 800-LAMBDA-4. Products can be configured using the “Product Quick Finder” at <http://www.us.tdk-lambda.com/lp/>.

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### Major applications

Medical, including BF rated equipment, test and measurement, industrial and communications

### Main features and benefits

- PMBus™ communications interface option
- Full medical isolation (MOPP), suitable for B and BF-rated equipment
- Low Speed, low audible noise fans
- Up to 16 outputs
- 7 year warranty

## Major specifications

Model		QM series
Input voltage range	Vac	90 – 264Vac
Output voltages	Vdc	2.8 – 61.6Vdc
Maximum output power	W	700W - 1500W
Efficiency	%	Up to 91%
Safety Certifications	-	IEC/EN/UL/CSA 60601-1, ANSI/AAMI ES 60601-1, IEC/EN/UL/CSA 60950-1. Designed to meet IEC/EN61010-1
Warranty	-	Seven years

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## About TDK Corporation

TDK Corporation is a leading electronics company based in Tokyo, Japan. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's portfolio includes passive components, such as ceramic, aluminum electrolytic and film capacitors, ferrites and inductors, high-frequency products, and piezo and protection components, as well as sensors and sensor systems and power supplies. These products are marketed under the product brands TDK, EPCOS, Micronas, Tronics and TDK-Lambda. TDK's further main product groups include magnetic application products, energy devices, and flash memory application devices. TDK focuses on demanding markets in the areas of information and communication technology and automotive, industrial and consumer electronics. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2017, TDK posted total sales of USD 10.5 billion and employed about 100,000 people worldwide.

## About TDK-Lambda Corporation

TDK-Lambda Corporation, a group company of TDK Corporation, is a leading global power supply company providing highly reliable power supplies for industrial equipment worldwide. TDK-Lambda Corporation meets the various needs of customers with our entire range of activities, from research and development through to manufacturing, sales, and service with bases in five key areas, covering Japan, Europe, America, China, and Asia.

For more details, please pay a visit to <http://www.tdk-lambda.com/>

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