



WEB UPDATE

Internet on the move

Cobham Technical Services has launched a website to help engineers understand the contribution that FEA (finite element analysis) software can make to motor design cycle efficiency. Users can explore the underlying tools, create models or analyse simulation results. They can also select a specific motor or related electromagnetic design topics such as magnetic gearing and linear motion.

www.motor-design-software.com

Designers can now use an online selection tool to identify the best power supply reference design for an LED lighting application. Power Integrations has created the LED Design Selector where users can enter simple selection criteria, to find filtered, optimised results from the company's library of reference design options.

<http://www.powerint.com/en/applications/led-driver-ics/led-design-selector>

NXP Semiconductor has made its entire product catalogue available to customers via a Windows phone app. It believes it is the first semiconductor company to offer this. Customers can browse the database by product functions and part numbers.

<http://www.nxp.com/news/mobile-app>

19inch Infinity Computers

have two dual in-line memory module slots

DSM Computer has added three variants to its 19inch Infinity computer family. The computers are housed in a solid, high-quality rack and lend themselves to being fitted in 19inch cabinets. The 4U, 510mm deep 96M1574 computer is available with 12 free slots and is designed for eight long and six short plugin cards. The 4U, 455mm deep 96M15801 computer also features 12 free slots. The 2U 96M1584E computer features six free slots that are designed for up to three long and two short cards. The slot CPU incorporates a controller for connecting four SATA II 300 devices with a redundant array of independent discs 0, 1, 0+1 and 5 support. The computers feature an internal mini PCI Express slot for expansion. The computers incorporate the company's PICMG 1.3 industry slot CPU, the 96M43710, based on the Intel QM57 mobile chipset. The compact plug-in card can be fitted with a 2.66GHz Intel Core i7-620M processor that features two CPU cores and 4Mbyte cache. The CPU provides two dual in-line memory module slots for fast DDR 1066 and 800 memory modules. Both the on-board LAN controllers, Intel 82577LM and Intel L82583V support 10, 100 and 1000 Base-T, TX and Intel AMT 6.0 for remote maintenance. The computers can be delivered with DC power supplies of 12, 24 and 48V, and also feature cooling fans behind a replaceable dust filter.

DSM COMPUTER

www.epn-online.com/search?search_keyword=46815

Design Tool for Control IC

simplifies DC/DC converter architecture

Powervation has released the PowerS-MART, the setup, monitor, and reporting tool for the design of digital power converters. The design tool is said to allow the communication with and configure the company's PV3012 digital power control



ICs from PC and Macintosh platforms using a standard USB connection. It accesses more than

60 parameters and fine-tune the features to specific needs within the GUI environment, with precision claimed to be beyond that of hardware programmed analogue-based solutions. For a single device used in a single- or dual-phase converter, the single mode feature can be used. The software also provides a system mode feature where multiple devices of the company can be used in parallel to control a six-phase converter, and within a common platform to provide power management for multiple rails. The main display page provides a heads-up view of VOUT, VIN, and IOUT against a time axis. The control ICs feature the company's Single Pin Config technology that provides access to eight configuration tables, or profiles, within the IC's non-volatile memory. The design tool features no coding, system management bus interface with PMBus compliant communication, programmable fault protection and warning, phase drop and add thresholds, and output voltage tracking, sequencing, and margining.

POWERVATION

www.epn-online.com/search?search_keyword=46820