Westek Launches High Performance Conduction Cooled Rugged Computer System

Supporting the latest Intel® E5 series Multicore Xeon® technology in a sealed rugged aluminium case, the C3498RAL server enters at the top of the range of Westeks MIL specification range of rugged computer servers and data storage systems.

Westek's C3498RAL rugged fully sealed conduction cooled high performance computer server is designed for use in extreme environments subject to high and low temperatures, shock, vibration, dust and sand with this particular model providing extreme resistance to dust and water ingress to IP65 rating. Westek's innovative advances in conduction cooling techniques provide leading server class multi-core dual Xeon® processor performance in a fully sealed case able to operate reliably and near silently in the most demanding environments.

The server is designed to comply with MIL-STD-810G, DEF STAN 00-35, MIL-STD 461F and DEF STAN 59-411 for use in aircraft, mobile or fixed land based systems, transportation and naval environments below decks as well as general use where a ruggedized system is required. The rugged sealed heavy duty aluminium chassis enables extremely low EMC and EMI. The unit is further protected by a corrosion resistant heavy duty paint finish.

The C3498RAL provides rugged MIL front I/O access for all signals including power input so is ideal for locations where access to the rear is restricted or unavailable. The system can be base or side mounted using lugs provided on the unit or with optional standard 19" equipment rack mounting also available. Westek's innovative conduction cooling means that the C3498RAL can support a wide range of high performance processor options including the latest Intel® server class embedded multi-core processors. This unique system provides up to 16 processor cores and supports and operating temperature range from -20℃ to +55℃.

The tough chassis meets the environmental requirements of MIL-STD-810 and is completely water and dust proof and resistant to operating shock and vibration.

SSDs are used as the storage medium with up to 2TB integrated into the system. I/O is presented on MIL spec connectors and can be customised to meet the I/O required by the application, such as video, copper or optical network interfaces, serial ports, GPS and WIFI interfaces etc.

The system is available in both AC and DC powered options and with EMI filtering to provide low emissions. For more information contact Westek on +44 (0)1225 790600, email sales@westekuk.com or visit our website at www.westekuk.com.

About Westek Technology

Established in 1987, Westek Technology is a leading manufacturer of rugged military and industrial Computer Servers, RAID Data Storage Systems and UPS power systems designed for high reliability in mission critical and harsh environments.

Westek Technology designs and manufactures in the UK and is fully certified to ISO 9001:2008. Our products are installed in more than 70 countries worldwide through our reseller partners and customers and are deployed in many challenging environments around the world. Westek Technology is a general member of the Intel® Communications Alliance, an Intel® Gold Technology Provider and a Microsoft® Certified Partner.

Products include a wide selection of industrial and rugged computer server platforms ranging from 1U servers through to fault tolerant high-end 5U storage servers, with options for hot swap RAID data protection and redundant hot swap power supplies; Compact PCI Military and Telecoms platforms; high availability high performance Data Storage NAS and iSCSI SAN storage systems from a few Terabytes to Petabytes; and rack mount LCD Display Panels and Keyboards.

Westek Technology Limited
Unit 1 Lancaster Park
Bowerhill
Melksham
Wiltshire
SN12 6TT

+44 (0)1225 790600
www.westekuk.com
Email sales@westekuk.com