

Welcome:

to the September issue of Verotec's newsletter, TecNews. We hope that you will find the information useful.

This month we have included articles on Verotec's range of Intelligent Fan Trays and a recent project using CompactPCI Chassis. Look out for more product information and data in future issues.

Latest News:

Verotec seals partnership with Eplax

Verotec is pleased to announce a strategic partnership with EPLAX in Germany – the manufacturer of the Veropower range of Euro-card power supplies. The move will see Verotec supporting both technically and commercially a range of AC-DC and DC-DC converters, both in the UK and US. These compliment our existing range of products perfectly allowing us to truly be a one-stop shop for all electronics packaging requirements. Full details are on the website and the range will be highlighted in October's product feature of TecNews.

Verotec completes Heavy Duty subrack investment

Verotec has completed its investment in tooling to produce the KM6-HD (Heavy Duty) extension to the already popular KM6 subrack range. The HD derivative is available in both IEC 60297 and IEEE 1101.10 versions and is aimed not just at military markets but any application where a resistance to shock and vibration is required. The range will be showcased in the November product feature of TecNews and details in the meantime can be found on the website.

If you would like to know more now then contact Verotec's sales team on 02380 246900 or e-mail: sales@verotec.co.uk

Headlines

- **Welcome / Latest News**
- **Intelligent Fan Trays**
- **Recent Projects: CompactPCI Chassis**

Product Feature – Intelligent Fan-trays

Verotec's intelligent fan trays are designed to form part of a rack management system which will provide cooling in response to the thermal requirement of the rack. In addition, it monitors its own component parts, provides a response to failure of a fan, power supply or thermal sensor and provides a local and remote alarm. Designed as a 1U high (IEC 297 -1) component for insertion adjacent to the equipment requiring cooling, positioning is normally below the item(s) to be cooled.

Features:

- 1U integral height (to IEC 297-1)
- Forms part of a complete rack management system
- Fan speed responsive to temperature. Monitoring of fans, thermal control, & power supply
- Status indication locally by LED and audible alarm
- Remote alarm indication by volt free changeover contact
- Available in 3 fan & 6 fan versions

- Available in auto ranging AC input
Available in -48v DC input versions (to ETS 300 132-2)

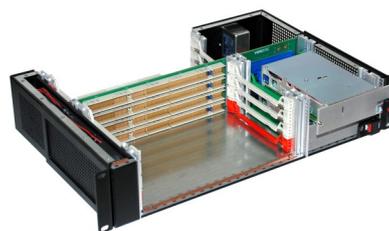
The Intelligent Fan Tray features a design which uses a proven control solution for each group of 3 fans within a tray. On 6 fan versions this allows for separate monitoring for each group for both control and alarm functions allowing for redundancy if required and a further option of dual power input on some styles. Function of each group of 3 fans is regulated by programmed controller that operates the fans at half speed up to 35°C and increases the speed linearly to full speed at 55°C. Thermal control is via a pluggable thermistor sensor for each group of 3 fans which are available in various lengths to suit its positioning within the rack.



Recent Projects - CompactPCI Chassis

CompactPCI is an open computing standard that was developed in the mid '90s. Defined under PICMG 2.0 it is electrically desktop PCI but in a Eurocard formfactor, making it ideal for industrial / embedded computing applications. Verotec has long supported the CPCl market by designing many compliant backplanes and mechanical components. In August, Verotec completed the design and supply of a number of standard

and custom CompactPCI chassis for a railway signalling infrastructure project. The chassis incorporate our KM6-HD subrack, 6U, 4 slot backplane with hot swap, dual redundant power supplies and removable, filtered fan tray.



Handbook 2010/11

To receive your complimentary copy of the 2010/2011 Verotec Product Handbook, simply register your details by clicking on the below link. As well as being a catalogue of our products, the handbook also acts as a technical reference for some of the industry standards in electronics packaging

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