

CAN-bus option

WIENER VME / VME64x / VXI crates of the 5000 and 6000 product families as well as NIM and CAMAC crates with fan tray and PL508 power supplies can be equipped with a CAN-bus interfaces for remote monitoring and control.

The Controller Area Network, (CAN) defined by Bosch in 1985, is an advanced serial multi-master communication protocol. Due to the reliability and technical capability as well as to the available low-price system components, CAN is well suited for application in field bus systems. CAN-bus was chosen as one of the field buses for slow control by CERN LHC.

Features

- Allows integration of WIENER chassis and power supplies into CAN field-bus system.
- Up to 126 crates can be controlled within a network. In addition to the remote on/off and SYSRES (VME) the user can control and program remotely every crate parameter via the interface as (* depend on power supply type):
 - Crate Identification
 - All voltages and currents, Over- under voltage trip off points (*)
 - Current limit adjustment to lower levels than 100%, i.e. for module test procedures (*)
 - Temperature measurements of air inlet and above modules (up to 8 sensors for the VME 6000 crate series possible)
 - All status signals, error messages
 - Average speed and individual speed of every single fan
 - Configuration and adjustment (*)
- The communication between crates and host computer is based on a new intelligent bus protocol (CMS-CAL compatible) characterized by functions like:
 - Automatic error message generation, (highest priority)
 - Minimum level of required bus activities
 - Broadcast and group functions
 - Task dependent priorities, equal rights for all crates

Ordering Information

Standard configurations (others possible by request).

Item	Description
CAN-bus option	CAN-bus option for W-IE-NE-R chassis and power supplies

Technical Information



CONTACT

KONTRON HARTMANN-WIENER GMBH

Linde 18

D - 51399 Burscheid Germany

E: sales.we@kontron.com

P: +49 (2174)-6780

F: +49 (2174) 678-555

KONTRON AMERICA, INCORPORATED

202 N. Limestone Street, Suite 320

Springfield, OH 45503, USA

sales.springfield@us.kontron.com

P: +1 (937) 324 2420

F: +1 (937) 324 2425

