VARAN Manager Board
VEB 031

The VARAN Manager board is used to equip all peripheral devices with the VARAN bus as simply as possible. By using the VEB 031 and with minimal external wiring, the peripheral device is expanded over the PCI bus with 2 VARAN Manager interfaces.

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Operating temperature	0-70 °C (according to component specifications) the operating temperature for the entire unit must be specifically defined for each application, as the operating conditions (mounting position, housing, heat sources in the vicinity of the VEB) are unknown. the environmental temperature of the VEB must not exceed +70 °C.	
Humidity	0-95 %, non-condensing	
EMC stability	the EMC stability has to be tested separately in the complete system for each application.	
Shock resistance	EN 60068-2-27	150 m/s²

Performance Data

Internal memory	serial 16-Mbit Flash	
Interfaces	2x VARAN (Manager)	
	PCI bus (32-bit, 33 MHz)	Vendor ID: 5112 Device ID: 0C00
Connection to periphery device	over two 50-pin board-to-board connector slots with 0.8 mm contact spacing (type: ERNI Microstac, order number. 114713)	

Electrical Requirements

Internal power supply (VDD)	typically +3.3 V DC (±4 %) (provided by the peripheral device over the 50-pin connector slot)	
Current consumption of voltage supply	typically 400 mA	maximum 450 mA

Article Number and Miscellaneous

Article number	16-081-031
Hardware version	1.x