VMEBUS PROFIBUS DP

Product Data Sheet

VME-PROF-M

VMEbus PROFIBUS DP master interface

VMEBUS INTERFACE	DUAL-PORT MEMORY	RAM	FLASH MEMORY
A24, D16 slave	**64 kB**	**128 kB**	**512 kB bootblock Flash EPROM**

Nautibus VME-PROF-M links a VMEbus host with PROFIBUS DP I/O through a galvanically isolated RS485 master interface. The A24/D16 slave connection exposes a 64 kB dual-port memory window for exchange with the host application.

01 VERIFIED TECHNICAL DATA

VMEbus interface	A24, D16 slave
Dual-port memory	64 kB
RAM	128 kB
Flash memory	512 kB bootblock Flash EPROM
Processor	32-bit
PROFIBUS interface	1 RS485; galvanically isolated
Maximum PROFIBUS speed	12 Mbit/s
Serial configuration interface	1 RS232
Protocol	PROFIBUS DP Master 1; EN 50170
Input telegram	244 bytes maximum per slave

Source: VME-PROF-M.pdf

02 ADDITIONAL PRODUCT DATA

Output telegram	244 bytes maximum per slave
5 V current	700 mA typical
Operating temperature	0–50 °C
Storage temperature	–25 to +70 °C
Address window	64 kB; S1/S2 HEX switches

03 PRODUCT FUNCTION

The interface supports PROFIBUS rates up to 12 Mbit/s and free-running DP-V0 or fixed-cycle DP-V2 transfer. An RS232 configuration port is used with DPKonfig and slave GSD files to define the network, process-data layout and bus timing.

04 SYSTEM COMPATIBILITY

Use the RS232 null-modem configuration connection and DPKonfig with the GSD files for every slave. Add each slave module in its actual hardware order and check the assigned dual-port RAM offsets against the host program.

05 MANUFACTURER SOURCE

Nautibus official documentation: VME-PROF-M.pdf. Selected source pages: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**