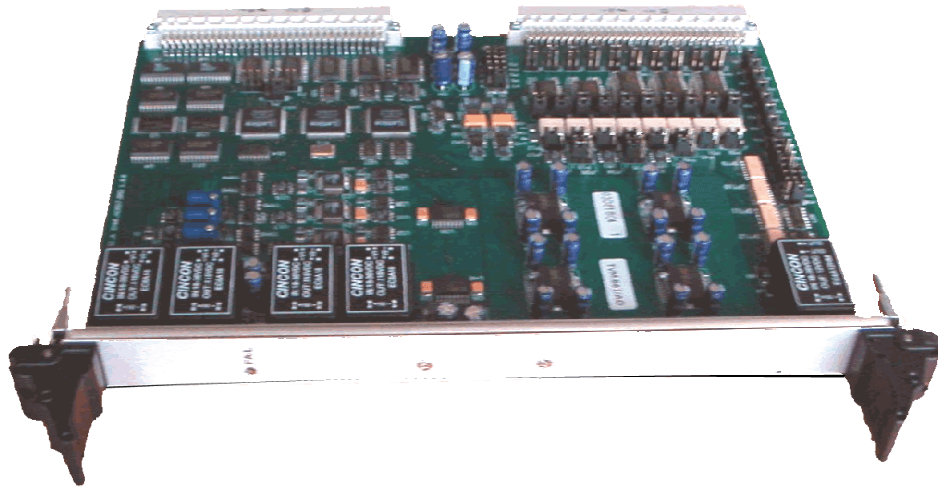


AD667-BRD

16 analog input 8 analog output VME module



VME slave interface
A16/A24-D16 with interrupt
requester

16 single ended analog input
or 8 differential, 12 bits reso-
lution, multiplexed at 16 ms/
channel

2 analog input single ended/
differential with simultaneous
sampling up to 250KHz

Optional 8 analog output at
 $\pm 40V$ with 25mA output
current limitation

8 opto-isolated digital lines at
12V configurable as input or
output

32K x 8 SRAM

The VME slave module **EHWP-AD667-BRD**, can be used to acquire analog signals (voltage or current input), single-ended or differential, with 12 bits. Resolution. The board offers three A/D converter.

On a base-configuration, one converter samples sixteen input in multiplexed mode, while the other two converters simultaneously samples two independent input; from these two channels the module can autonomously acquire, with a programmable period, 8192 samples to be stored in RAM memory. In alternative, the board can be configured so that two converters work in parallel, everyone on eight input (single-ended only) in multiplexed way, while the operation of the third converter remains unchanged. So the acquisition of all the sixteen multiplexed input can run in half time.

The board optionally offers eight single-ended analog output with voltage range $\pm 40V$. The D/A conversion has a 12 bits resolution.

The board has eight opto-isolated digital I/O, which are individually configurable as input or output.

AD667-BRD

16 analog input 8 analog output VME module

SPECIFICATION

Memory resources
32K x 8 SRAM 20 ns

Analog I/O

16 SE / 8 Diff multiplexed input, configurable range from +5V to +40V, 12 bit resolution, acquisition time 16ms/channel

2 single-ended/differential input with simultaneous sampling, configurable range from +5V to +40V, 12 bit resolution, sampling rate up to 250KHz

Optional 8 analog output, 12 bit resolution, ranging +40V with current limitation up to 25mA each output

Digital I/O

8 lines of opto-isolated I/O at 12V, configurable as input or output, with max current 25mA. Open collector output type with configurable pull-up

VME Interfaces

VME slave interface A16/A24-D16 with interrupt requester

Operating Temperature

0° to +50° C

Storage Temperature

-40° to +85° C

Power Requirement

AD667 Input Only
+5VDC,900mA max
+12V ,500mA max
AD667

+5VDC,900mA max
+12V,1100mA max

Shock and Vibration

shock 20g 11mS
vibration
0-200Hz 0.02g²/HZ

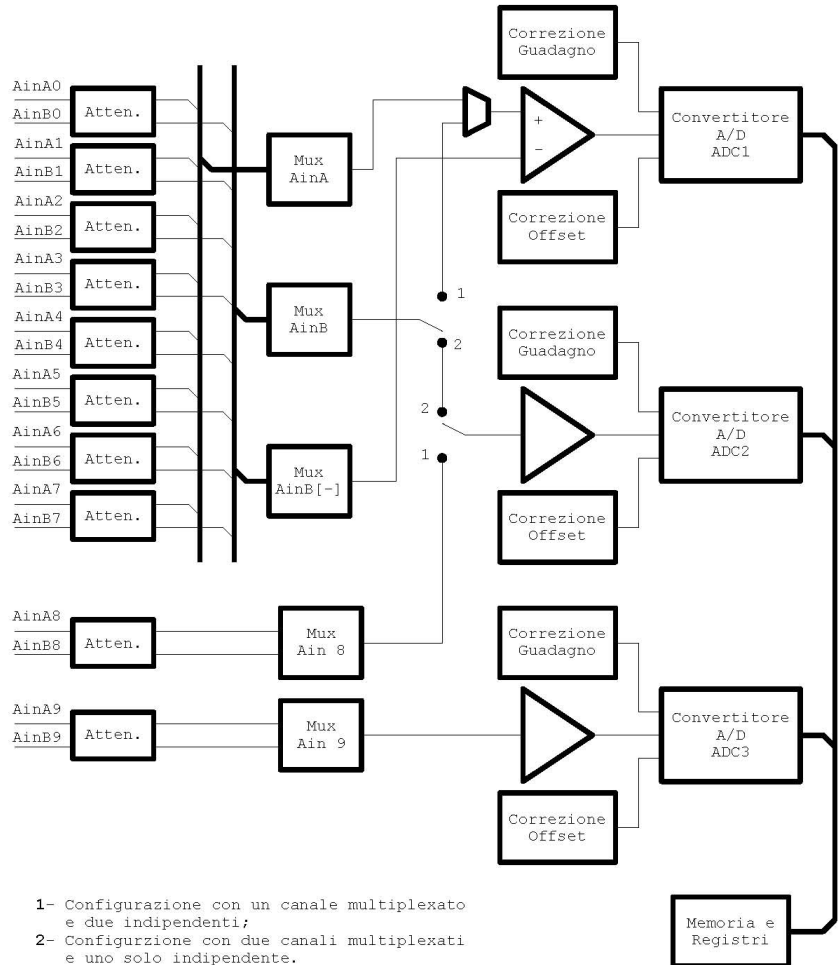
Humidity

90% non condensing @ 35°C
(without coating)

Reliability

MTBF:104.000 h GB25
(MIL-HDBK-217F)

BLOCK DIAGRAM



ORDER INFORMATION

Model Number	Description
EHWP-AD667-BRD	Module with AI plus 8 AO
EHWP-AD667-BRD/I	Module With AI only
EHWP-667TM-BRD	I/O transition module rear VME, format 6u single slot
N.B: add /C option for conformal coating	
Related product	
ESWP-E667L-DRV	LynuxOS Driver binary copy