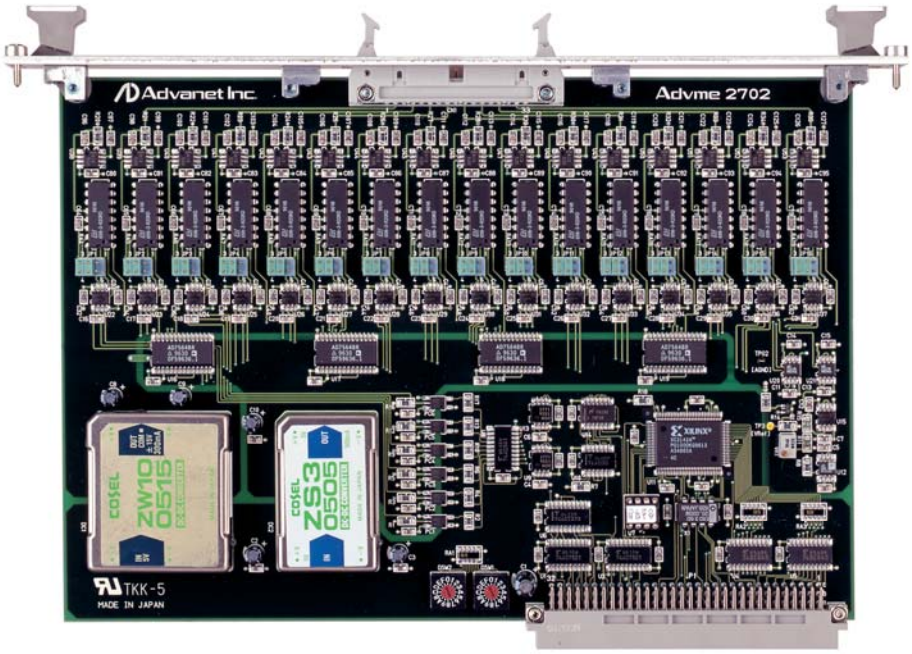
Advme 2702

Isolated 16-ch D/A Board



Features

12-bit resolution, low-cost analog output board with 16-channel input
Output range can be set to ±10V, 0 to 5V or 0 to 10V for each channel
Equipped with individual refresh and batch refresh output modes
Analog circuits and digital circuits are isolated by photo-coupler
Conversion time of 10µs per channel.
When the power is turned on and at other similar times, the output voltage of all channels is forced to 0V
Each channel has a two layer buffer, allowing the output voltage of all channels to be refreshed simultaneously
Operates from a single +5V power supply by VME bus
Device driver for VxWorks available (option)

Specifications

Analog output
- No. of channels : 16 channels
- Output range : 0 to 5V, 0 to 10V, ±10V (can be set for each channel)
- Output current : 5mA

D/A conversion
- Resolution : 12-bit
- Output mode : Binary
  - 0 to 5V 0H to FFFH (0 to +5V)
  - 0 to 10V 0H to FFFH (0 to +10.24V)
  - ±10V 0H to FFFH (-10.24 to +10.24V)
- Overall accuracy : ±0.3% (F.S. at 25°C)
- Conversion time : 10µs per channel
- Temperature characteristics : ±50ppm/°C (typ.) Up to ±100ppm/°C

Isolation
- Isolation method : Photo-coupler (between analog and digital circuits)
- Withstanding voltage : Between output and system: AC1500V for one minute

Output connector : MIL-type 34-pin header

Bus interface
- VMEbus Revision C.3 compliant A16,D16,D08(EO)
  - Accessible using AM codes 29H and 2DH

Power requirements : 5V±5% 0.76A (received from VME bus)

Board size (excluding protrusions)
- 262mm x 172mm x 20mm
- Double height/Single slot (excluding protrusions such as connectors)

Weight : 345g (typ.)

Note: The following specifications and product appearance are subject to change for enhancement without notice.

HUMAN ELECTRONICS
Advanet Inc.
www.advanet.co.jp

Headquarters 616-4, Tanaka, Okayama 700-0951 JAPAN
TEL +81-86-245-2861 FAX +81-86-245-2860
Tokyo Branch 3F, Hayakawa No.3 Building, 2-2Kanda-Tacho, Chiyoda-ku, Tokyo 101-0046 JAPAN
TEL +81-3-5294-1731 FAX +81-3-5294-1734

ISO9001
Certification: No.4016-1995-AQ-KOB-RvA
ISO14001
Certification: No. EMSC-1426