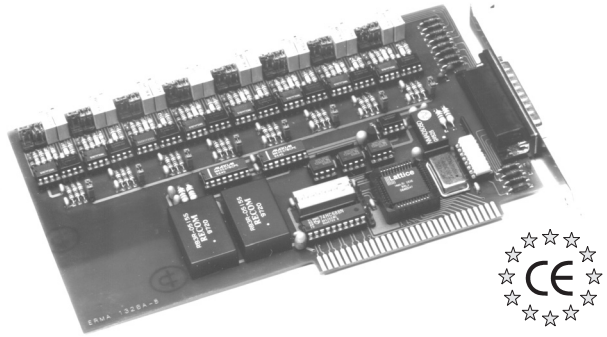


Isolated Analog Output Board DA 1326

Highlights

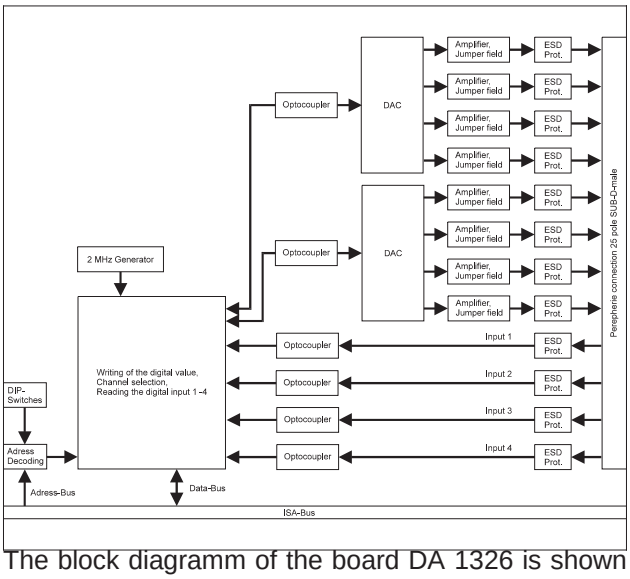
- 8 Optical Isolated Analog Outputs
- Selectable Voltage Or Current Output
- Complete Replacement Of DA 1250/56 Board
- 4 Optoisolated Digital Inputs
- Meets EMV-Specifications

Voltage	Current
0-2,5 V, 0-5 V, 0-10 V	0 to 20 mA, Source
±2,5 V, ±5 V, ±10 V	4 to 20 mA

We have special conditions for this device! Availability an prices only on demand.

General

The model DA 1326 is a 8 channel 12-bit D/A board for PC/AT compatible computers.
The main feature of this board is the channel-to-system isolation eliminating troublesome ground loops and protecting the data acquisition system from damage caused by external high voltages. The optical isolation can operate with up to 500V of common-mode voltage. The output channels can be jumper selectable for different voltage ranges or 20mA current source,



The block diagramm of the board DA 1326 is shown in figure 1.
Besides the 8 analog outputs there are 4 isolated digital inputs available. These inputs can be used for controlling.
The BASE address is switch selectable and can be located anywhere up to $3FE_h$. Only 2 I/O addresses are used. This allows installing multiple boards in the same host at the same time.

Analog Output Ranges.

The output range of each channel may be configured by jumpers to 6 different voltage ranges or 2 current ranges (see technical specifications).

Digital Input Channels

There are 4 optoisolated digital input channels. The input channels are provided for controlling by open collector transistors or by potential free contacts.

Software

A disk is included with programming examples for Basic, Turbo Pascal, Visual Basic, C, and 16 Bit DLL for Windows 3.1x and 32 Bit DLL for Windows 95.

Technical Specificatins

Digital outputs	: 8 isolated analog output channels
Voltage Isolation	: 500 V
Resolution, Delay	: 12 Bit, 10 µs
Nonlinearity	: max. ±1 LSB
Accuracy	: ±1 LSB
Temperature Coeff.	: typ. <50 ppm/°C
Output Voltage	: 0-2,5 V, 0-5 V, 0-10 V ±2,5 V, ±5 V, ±10 V max. 10 mA
Output Current	: 0 - 20 mA, max. 500 Ω
Load error	: <0,5 %
Digital input channels	: 4, low-aktiv
Supply Voltage, Current	: +5 V, max. 1,2 A
EMV	: EMV-conform with 89/336/EWG
Connector	: DB25 male
Operating Temperature	: 0 - 50 °C
Storage Temperature	: - 25 to +85 °C
Dimensions	: 200 x 113 mm

Ordering Information

DA 1326/X
└ Number Of Channels
2 = 2 Channels
4 = 4 Channels
6 = 6 Channels
8 = 8 Channels