

General

The counter card type ZIB 1177 was designed to interface with PC's internal ISA-Bus through any available expansion slot. The board contains 8 independent 32-bit-binary-counter. Each counter can be splitted up by software into two independent 16-bit counter.

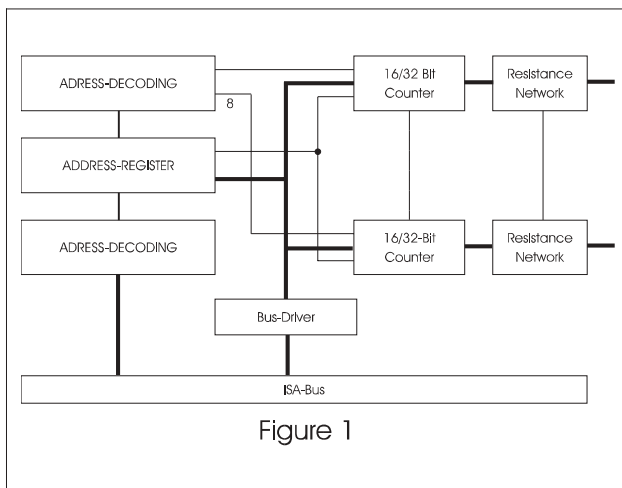


Figure 1

Counters

The counters are used for measurement of length by the usage of incremental encoder with two channel outputs. Several different modes are programmable. The available modes are listed below.

counter	modes
up/down	4-fold-mode
	2-fold-mode
	1-fold-mode
event	up-counter
	down-counter

**Up/Down-Counter Board
Model ZIB 1177**

Highlights

- Eight 32-Bit-Counter/Sixteen 16-Bit-Counter
- Programmable As Up/Down-Counter
- Programmable As Event Counter
- Soft- Or Hardware-Reset
- Meets EMV-Specifications

Addressing

The BASE address is switch selectable and can be located anywhere up to 3FEh. Only two addresses are used. This allows installing multiple boards in the same host at the same time.

Input Features

The input channels use plug-in resistance networks. By this way input level can be adjusted to any desired input voltage. A DB50 connector is used for connecting input signals to the board.

Software

A disk is included with programming examples for Basic, Turbo Pascal, C, Visual Basic, 16 Bit DLL for Windows 3.x, and 32 Bit DLL for Windows 95.

Technical Specifications

Counter	: 8 x 32 Bit-Counter 16 x 16 Bit-Counter
Input Voltage Level	: 5 V, 12 V, 24 V
Optional	: Customer Defined
Input Frequency	: max. 200 kHz
Power Supply	: +5 V, max. 0,5 A
Connector	: DB50-male
EMV	: EMV-conform with 89/336/EWG
Operating Temperature	: 0 - 50 °C
Storage Temperature	: - 25 to +85 °C
Dimensions	: 175 x 105 mm

Ordering Information

ZIB 1177/X/XX

- Input Level Voltage:
 - 05 =5 V
 - 12 =12 V
 - 24 =24 V
- Number of Counters:
 - 4 =4 Counter
 - 5 =5 Counter
 - 6 =6 Counter
 - 7 =7 Counter
 - 8 =8 Counter