Z8917500ZCO

Z89175/176 VOICE PROCESSING EVALUATION KIT

FEATURES

■ Supported Devices:

Packages	Emulation
100-Pin QFP	Z89175
100-Pin QFP	Z89176

■ Fully Digital Answering Machine Capability

■ Caller ID Support

■ Date and Time Stamping

■ High-Quality Voice

■ Z89175 Evaluation Kit Software

■ DTMF Detection/Generation

GENERAL DESCRIPTION

Zilog's Z89175 Voice Processing Evaluation Kit (Z8917500ZC0) demonstrates the fully digital answering machine capabilities of the Z89175 and Z89176 voice processing devices, including LPC speech generation, voice compression/expansion, and DTMF encoding/decoding.

The Z89175/176 Evaluation Board features:

■ On-chip CODEC that provides demonstration for the Memo and Incoming Message functions.

■ Caller ID On-Hook function with LCD display.

■ One Samsung KM29N040, 512 x 8-bit FLASH memory with expandability for a second KM29N040.

The Z89175 Evaluation Kit can be used to develop and debug Z8® application code with the Z89175 Toolbox Software (included in this kit) and the C65 ICEBOX™ Emulator (Z89C6501ZEM, not included in this kit). No DSP code writing is necessary. The Z89175 Voice Processing Evaluation Kit provides a complete suite of software aids: application code, DSP code, and toolbox code to assist in evaluation and development of 175/176-supported applications.

SPECIFICATIONS

Operating Conditions

Operating Temperature: 25°C, ±10°C

Power Requirements

+12 VDC @ 500 mA

Dimensions

Width: 4.25 in. (10.8 cm)

Length: 5.75 in. (14.61 cm)

Height: 4.5 in. (11.43 cm)

KIT CONTENTS

Z89175 Evaluation Board

Circuit Board

On-Board Operation Instructions

4 x 16 Character Liquid Crystal Display (LCD)

Two-Inch Speaker

Support Hardware

12 VDC Power Supply

68-PLCC Adapter

100-QFP Adapter

Z8 I/0 Expander

Telephone Cord

Evaluation Kit Software Diskette

Application Code

DSP Code

Toolbox Code

Documentation

Z89175 Evaluation Kit User's Manual

(Includes Kit Schematic and Bill of Material)

SOFTWARE DEVELOPMENT REQUIREMENTS (OPTIONAL)

Host Computer

IBM PC (or 100-percent compatible) 386-based machine running Microsoft Windows 3.1. For increased performance, the following is recommended: 486- or Pentium-based machine, 66 MHz (or faster), 8 MB of RAM (or more), SVGA video adapter, color monitor, and printer.

Note: Exact host computer requirements are dependent on which particular support tools are used.

Support Tools

Z89175 Evaluation Kit Software
Z8 Assembler
C65 ICEBOX Emulator (Z89C6501ZEM)