

NV5586A

Advanced 8086 Microprocessor Trainer



NV5586A is an INTEL 8086 Microprocessor based product developed specially for learning the operation of today's Microprocessor based systems. NV5586A provides a user friendly platform for the students to learn about the 8086 architecture, its assembly language programming and interfacing with different peripherals. By using this product students can apply their knowledge and ideas for development of Microprocessor based systems.

Scope of Learning

- 8086 Architecture
- 8086 Assembly language programming
- Interfacing of 8086 with ADC
- Interfacing of 8086 with DAC
- Working and interfacing of 8087 Math coprocessor
- Working and interfacing of 8089 I/O Processor
- Peripheral interfacing

Technical Specifications

Operating Frequency	: 5 MHz
RAM	: 16 K
ROM	: 16 K
Display	: 20 X 2 LCD
Input	: ASCII Keyboard
Mains supply	: 90 - 230V AC, 50 Hz
Dimensions (mm)	: 326 X 252 X 52

Features

- ▶ Diagrammatic representation of full system
- ▶ 72 I/O lines through 8255
- ▶ Powerful monitor program
- ▶ Battery backup for RAM
- ▶ Three channel Timer/Counter using 8253
- ▶ On board 8 channel ADC
- ▶ On board DAC
- ▶ Two modes of operation
Keyboard mode
Serial Mode
- ▶ Facility of downloading and uploading the files from PC
- ▶ All Address and Control lines are provided on 50 pin connector
- ▶ 8089 I/O Processor (Optional)
- ▶ 8087 Math coprocessor(Optional)
- ▶ e- Manual
- ▶ 2 Year Warranty

Subject to change

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