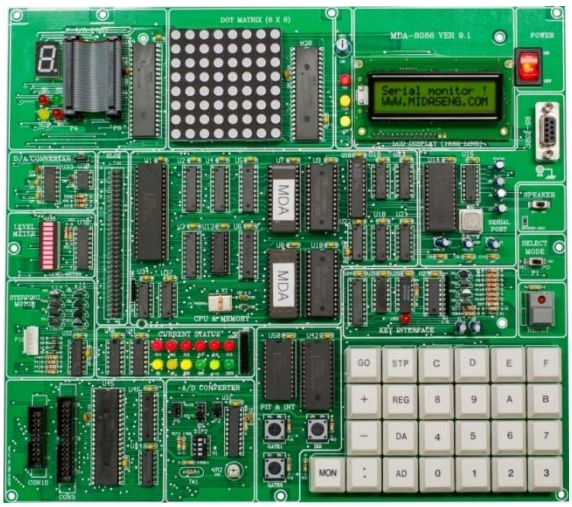
# MDA-8086

## 16Bit Processor 8086 Board

8086


## Feature

1. Program debugging function by PC
2. Software
   - TURBO-C 2.0 or later
   - Support Startup Code
3. Program download and trace function
4. Display the register contents
5. Memory contents modification and dump function
6. Various Command function
7. Included stepper motor interface circuit
8. DOT MATRIX unit
9. LCD display unit
10. D/A and A/D converter experiment
11. Sound experiment with Speaker
12. Interrupt experiments
13. Thermistor Sensor
14. Bar LED unit
15. Key board experiment
16. External interface connector
17. Display the current BUS status on LED
18. +5V, +12V, -12V 의 S.M.P.S (Free Voltage) Power
19. Aluminum case

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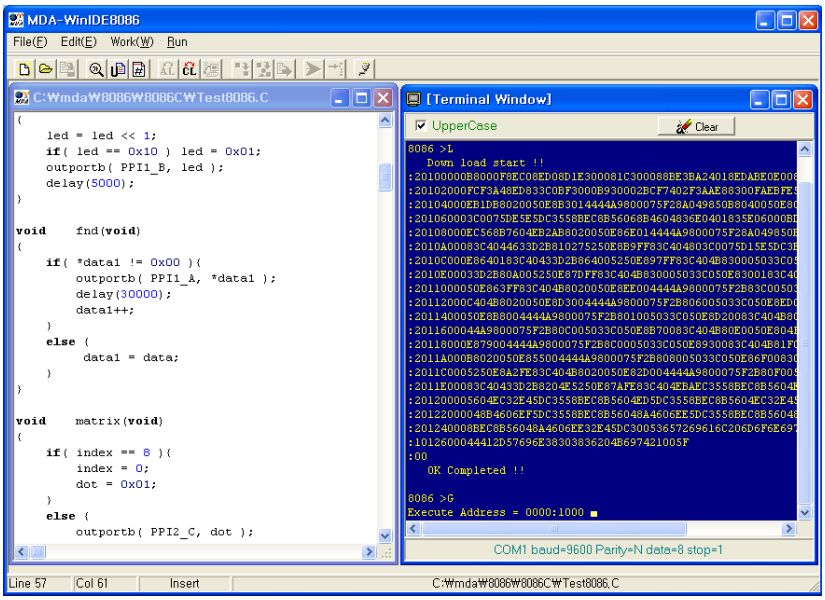
## Specification

| | |
|---|---|
| CPU | 8086 |
| MAIN RAM | 64KB (62256 x 2) |
| MONITOR ROM | 64KB (27256 x 2) |
| DISPLAY UNIT | LCD (16 x 2 LINE) |
| I/O PORT | 8255A |
| SERIAL PORT | RS-232C (8251A x1) |
| SYSTEM CLOCK | 14.7456MHz |
| CLOCK GENERATOR | 8284 (CLOCK GENERATOR) |
| INTERRUPT CONTROLLER | 8259 |
| TIMER CONTROLLER | 8253 |
| LEVEL METER | HG101A |
| DOT MATRIX LED | 8 x 8 (2COLOR) |
| SOFTWARE | 8086 ASSEMBLER |
| | SUPPORT C-LANGUAGE EXAMPLE PROGRAM |
| | MDA-WinIDE8086 Integration Development Environment Program |
| KEY BOARD | 16 hexadecimal and 10 function keys |
| System BUS indicator | LED(3∮) x 12 |
| Extended Connector | System BUS : 62 pins |
| | External interface : 20 pins |
| Stepper motor interface | Driver T.R x 4 |
| A/D, D/A Converter | ADC ADC0804<br>DAC DAC0800 |
| POWER | Input : AC 85~264V<br>Output : DC +5V(3A), +12V(1A), -12V(500mA) |
| Board size (mm) | 310 x 265 |
| Case size (mm) | 400(W) X 320(D) X 140(H) ±10(mm) |
| Weight | 4 Kg |
| Accessories | 1. Example Software CD : 1 Set |
| | 2. RS-232C Cable : 1 ea |
| | 3. User's manual : 1 Book |
| Remark | 1 year warranty |

* Above product can be changed for improving capability without notice




MDA-WinIDE8086 Program

## Experiment List

- LED Display Experiment
- FND Display Experiment
- DAC Experiment
- Bar LED Display Experiment
- ADC Experiment
- PIT&INT Experiment
- 8253 Interface Experiment
- Sound Experiment
- 8255 Interface Experiment
- 8X8 DOT Matrix Display Experiment
- 8251 Interface Experiment
- Text LCD Display Experiment
- Keyboard Interface Experiment