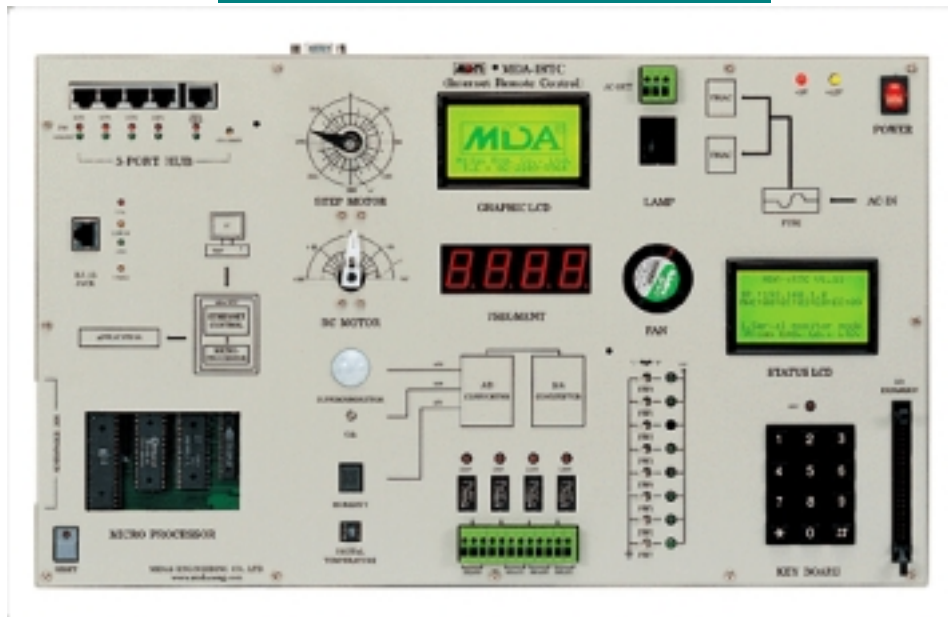


EMBEDDED COMMUNICATION TRAINER

MDA-IRTC



FEATURE

The demand on the technology to control various devices using internet has been increased everywhere with the development of internet and this new trend technology has been started using in whole industry.

1. Easy connection with Ethernet installed inside classroom to be used without any other apparatus
2. Control for trainer's various application units using Pc control program
3. Practice for various Microprocessor experiment such as 8051, 80196, MC68000, PIC, etc. with exchange of Microprocessor boards only
4. Programming and practice for various internet protocol such as UDP, TCP, TELNET, HTTP, AVR, etc.
5. Web Server, Telnet Server FTP, SMTP etc.
6. Sample program to be used with Window95/98/ME/NT/2000/Xpprovided
7. Built-in of Ethernet Controller (i2CHIP W3100)
8. Monitoring of communication status on Ethernet
9. Built-in of 5port HUB
10. Various languages such as VC++, VB, JAVA, C++ builder, etc. for PC control program
11. Integrated environmental program for each Microprocessor provided
12. Various interface expansion function using expansion connectors.
13. +5V,+12V,-12V S.M.P.S (Free Voltage) power source
14. Solid iron case designed according to human engineering technology

■ Technical Specification

Exchange System For Microprocessor Boards	89C52/80C320
	ROM(29C040) : 512KByte 1ea
	RAM(681000) : 128KByte 1ea
	Decoder : CPLD(M4A5-128/64)
Integrated Environmental Program	PC interface RS-232C : Transmitter and execution of controlled program to trainer
	Assembler, C-language source emulation function
	Debugging, source file edit, assemble/reverse assemble, compile execution, trace and break functions available on one window
	Display function for address, machine address and assemble Nimonic
	display function for C-language variable, actual address and value, etc.
	Automatic store function and error line assignment during assemble and compile
	Dump and correction for register, program and internal & external data memory
Reset	Reset Switch 1 ea
	Reset LED 1 ea
PC Interface	RS-232C port 1 ea
Application Experiment	① Toggle Switch : 8 ea (Digital Input)
	② FND : 4 ea (7-Segment)
	③ Graphic LCD : 2 ea (128X64 Dots)
	④ RELAY : 4 ea * Experiment under test - FAN, Terminal (3P)
	⑤ Triac : 2 ea (more than 400V, 4A) * Experiment under test - Ramp(220V,5W) Terminal(3P)
	⑥ ADC : ADC0809 (8 channel A/D Converter) * Experiment under test (Sensor Interface) – moisture sensor, fiber optic sensor, temperature sensor, super conductive infrared sensor (body sensor)
	⑦ DAC : AD7305 (4 channel D/A Converter) * Experiment under test - RC Motor(-90 ° ~ + 90 °)
	⑧ Step Motor * DC12V, 0.35A, 1.8 ° * Driver IC : UNL2064
	⑨ Key pad : 1 ea(Key = 12 ea)
	⑩ I/O expansion connector : 50pin X 1 ea
	⑪ Digital Temperature Sensor (DS1620) : 1 ea
HUB	5ports
POWER	Input : A.C 85~264V Output : D.C+5V(3A), +12V(3A), -12V(500mA)

■ Accessories

➤ WINIDE SOFTWARE CD [Example program for control]	1set
➤ RS-232C cable (9pin)	1pcs
➤ UTP cable (LAN cable)	1pcs
➤ Power Cord	1pcs
➤ Manual	1pcs