

EEE Lab Equipment
Specification and BDT. Price

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Dhaka Office: Plot - 36/A, Shah Smrity Market (2nd Floor), Section-1, Mirpur, Dhaka-1216.

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IOT & HMI Based Industrial 3 Phase Motor Control Trainer

Model: IIoT_MCT007, Price: 500,000.00

Feathers:

- # Motor RUN & STOP over Internet & HMI
- # Motor Speed Control Over Internet & HMI
- # VFD Feedback Signal Read over Internet & HMI
- # Overall Motor Data Read over Internet & HMI (Motor Speed, VFD Frequency, Motor Load Current)
- # Read Motor Temperature over Internet & HMI



Equipment:

S7 1200 PLC

Part No: ES7 215-1BG40-0XB0

Work memory 125 KB; 120/240VAC power supply with DI14 x 24VDC SINK/SOURCE, DQ10 x relay and AI2 and AQ2 on board; 6 high-speed counters and 4 pulse outputs on board; signal board expands on-board I/O; up to 3 communication modules for serial communication; up to 8

Extension I/O Module:

->Analog Input Module-SM-1231, Part No: 6ES7 231-4HD32-0XB0

->Analog Input Module-SM-1231 (RTD),

Part No: 6ES7 231-5PD32-0XB0

->Analog Output module-SM1232, Part No:

6ES7 232-4HB32-0XB0

24 V DC Power Supply – 10A

HMI

Part No: 6AV2 123-2JB03-0AX0

9" TFT display, 800 x 480 pixel, 64K colors; Key and Touch operation, 8 function keys; 1 x PROFINET, 1 x USB

Industrial Wireless Router

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Model:
eWON Cosy 131 EC61330
Origin UK

VFD

Siemens SINAMICS PM240 - 2.2kW, 400V 3ph - AC Power Module for G120 Series Inverter Drive with Two Induction Motor

Core i5, 7gen Desktop PC

With 16 GB RAM 1600 Bus, 1tb SSD
2 GB HD Graphics Card

Steel Table with fixing Accessories & Industrial Profinet Communication Cable As per Sample

TIA Portal Software License Version 15.1

Included 5 days Training facilitation

Brand: SIEMENS

Origin: UK/ Germany/BD

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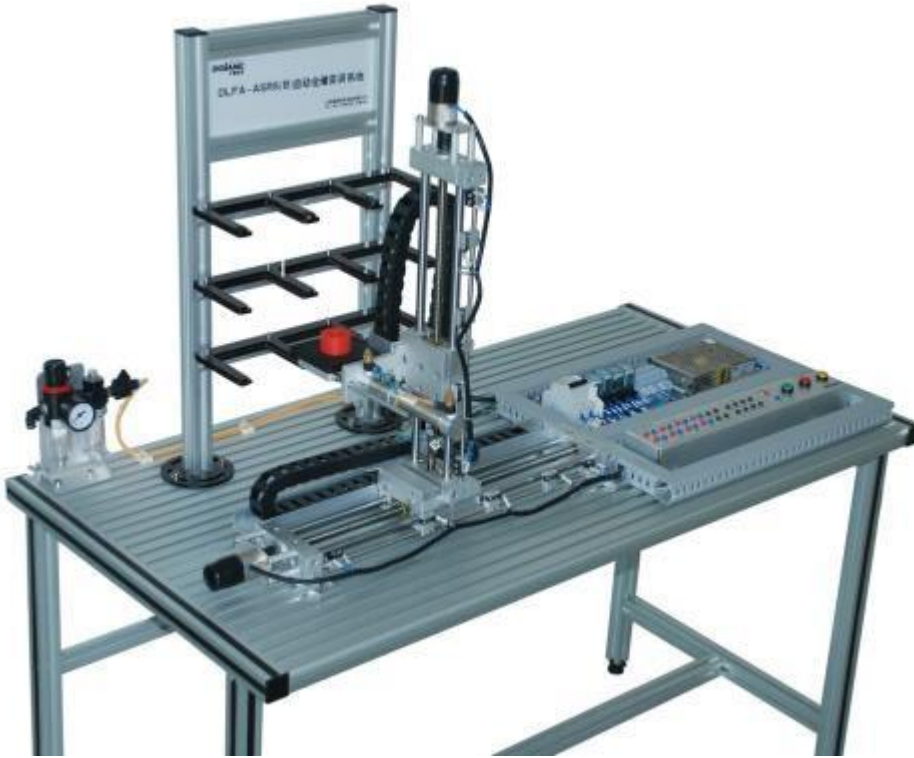


Industrial Pic & Place Robot Trainer

Model: SPP_ROBO001, Price: 10000,000.00

Features:

Pick five objects from a conveyor belt and place them at pre-identified objects. Control the motion of the robotic arm with HMI.



Equipment:

SIEMENS S7 1500 PLC

Part No: 6ES7 512-1CK01-0AB0

CPU with display; work memory 250 KB code and 1 MB data; 48 ns bit instruction time; 4-stage protection concept, technology functions: motion control, closed-loop control, counting & measuring; tracing; PROFINET IO controller, supports RT/IRT, performance upgrade PROFINET V2.3, 2 ports, I-device, MRP, MRPD, transport protocol TCP/IP, secure Open User Communication, S7 communication, Web server, DNS client, OPC UA server data access, constant bus cycle time, routing; Runtime options, firmware V2.5 with DI32/DQ32, AI5/AQ2 digital input module DI 16xDC24V, grouping 16; digital output module DQ 16xDC24V/0,5A, grouping 16; analog input module AI 4xU/I, AI 1xRTD, 16-bit, grouping 5; analog output module AQ 2xU/I, 16-bit, grouping 2; 6 channels for counting and measurement with incremental encoders 24V (up to 100kHz); 4 channels for PTO, pulse-width modulation, frequency output (up to 100kHz)

DC Power Supply

Part No: 6ES7 505-0RA00-0AB0

System power supply 60W, 24/48/60VDC; supplies the operating voltage for the S7-1500 backplane bus.

HMI (Human Machine Inter Face)

Part No: 6AV2 124-0JC01-0AX0

9.0" TFT display, 800 x 480 pixels, 16M colors; Touch screen; 1 x MPI/PROFIBUS DP, 1 x PROFINET/Industrial Ethernet interface with MRP and RT/IRT support (2 Ports); 2 x Multimedia card slot; 3 x USB

Core i7, 7gen Desktop PC

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With 16 GB RAM 1600 Bus, 1tb SSD
2 GB HD Graphics Card

- # Robot Arm & Base: Installed Locally As per Sample
 - # Siemens Servo Motor & Drive for Control Robotic Arm
 - # All Kind of fixing Accessories
 - # TIA Portal Software License Version 15.1
- Included 5 days Training facilitation**

Brand: SIEMENS
Origin: UK/ Germany/BD

Universal PLC Trainer (SIEMENS)

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Model: MTA-21SUP1.3V

Price: 280,000.00

Feathers:

Technical Specification:

Main CPU & Other Programming Unit
Siemens-S7-1200/SIEMENC SIMATIC HMI, VFD
Included TIA Portal V16 License Software
Included Air Control Unit
Supply Voltage: 220VAC/24VDC
Mechanical Size: X-48"xY-30"+24"x Z-28"

Training feathers and Parameter:

1. Logic gate operation (AND, OR, NOT, NOR, NAND, EX-OR, EX-NOR)
2. LED Digital Control-12
3. Industrial Motor Control
4. Industrial Profinet Communication and MODBUS Communication
5. HMI Interfacing cable with PLC
6. On board Temperature Controller with HMI & PLC
8. On board CONTROLLING OF PNEUMATIC CYLINDERS
9. Onboard PID simulator
11. Onboard Air pressure sensor
12. On board VFD, 5.5KW
13. On board Digital input switch
14. On board Relay
15. On board Temperature control unit
16. On board Analog input/output, (4-20ma, 0-10Vdc)
17. Included Operation manual and 10 days basic training

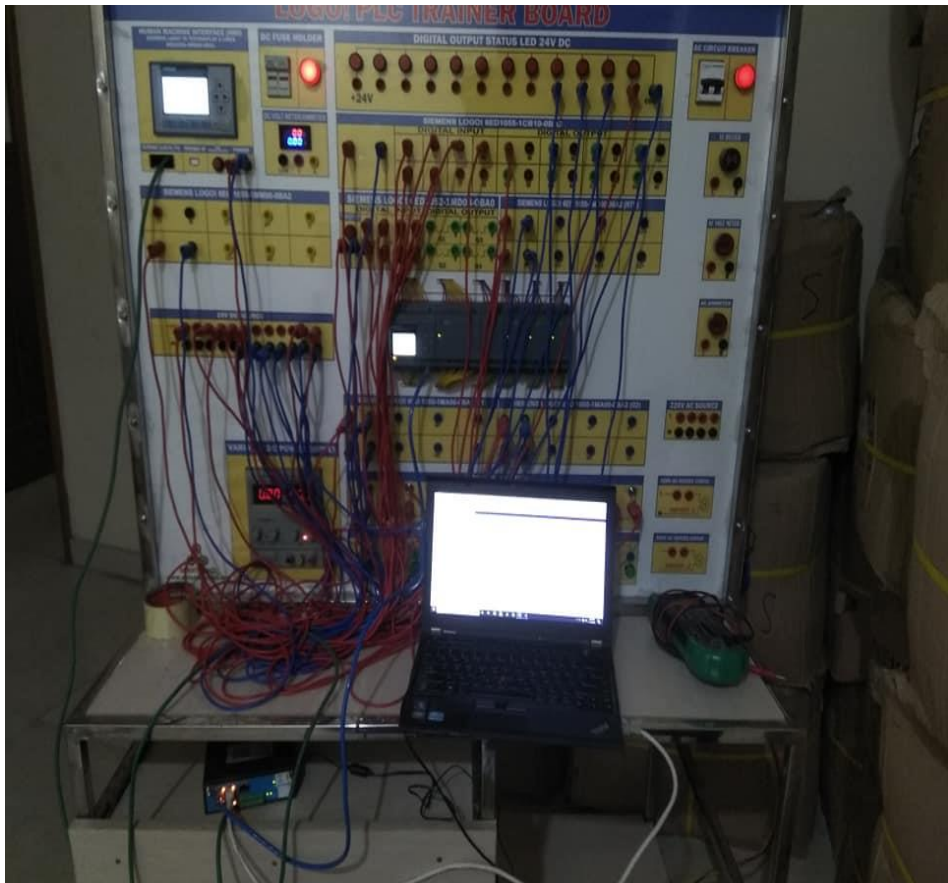
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Equipment and Component List:

SL#	Component Details	Qty
1	SIEMENS PLC, CPU- 1212C	1 set
2	DELTA HMI, Eathernet version	1 set
3	SIEMENS Analog I/O Module- AI 4x13BIT/AQ 2x14BIT_1	1 set
4	SIEMENS AI1 x RTD signal board	1 set
7	FMZ VFD-5.5KW, 3phase 440	1 set
7	Pressure Sensor-10bar-0-10Vdc	1pcs
11	Relay-24Vdc	6pcs
12	Indicator Lamp-24vdc	6pcs
13	Solenoid valve-24Vdc	4pcs
15	Limit Switch	4 pcs
16	Air regulator – 10bar	1 pcs
17	Toggle switch	6 pcs
18	Push switch	6pcs
19	Push connector as per load input output	
20	Power Supply-24vdc,10A	2 pcs
21	MCB-6A SP	3 pcs
22	MCB-TP-32A-	2pcs
23	MCCB-60A	1 pcs
24	Power indicator Lamp- 220VAC	6 pcs
25	Busbar- 100A TPN with insulator	1 Set
26	All fixing accessories	1 Set
27	Software TIA portal V16, with USB Key Licensing	1 set

Universal PLC Trainer (LS)

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Model: MTA-21LUP1.2V

Price: 250,000.00

Feathers:

Technical Specification:

Main CPU & Other Programming Unit

LS XGB PLC/Delta HMI, VFD

Included TIA Portal V16 License Software

Included Air Control Unit

Supply Voltage: 220VAC/24VDC

Mechanical Size: X-48"xY-30"+24"x Z-28"

Training feathers and Parameter:

1. Logic gate operation (AND, OR, NOT, NOR, NAND, EX-OR, EX-NOR)
2. LED Digital Control-12
3. Industrial Motor Control
4. Industrial Profinet Communication and MODBUS Communication
5. HMI Interfacing cable with PLC
6. Onboard Air pressure sensor
7. On board VFD, 5.5KW
8. On board Digital input switch
9. On board Relay
10. On board Temperature control unit
11. On board Analog input/output, (4-20ma, 0-10Vdc)
12. Included Operation manual and 10 days basic training

Equipment and Component List:

SL#	Component Details	Qty
1	XGB Series PLC, 20U	1 set
2	LS HMI	1 set
3	LS Analog I/O Module- XGB Series	1 set
4	LS AI1 x RTD signal board	1 set
5	FMZ VFD-5.5KW, 3phase 440	1 set
6	Pressure Sensor-10bar-0-10Vdc	1pcs
7	Relay-24Vdc	6pcs
8	Indicator Lamp-24vdc	6pcs
9	Solenoid valve-24Vdc	4pcs
10	Limit Switch	4 pcs
11	Air regulator – 10bar	1 pcs
12	Toggle switch	6 pcs
13	Push switch	6pcs
14	Push connector as per load input output	
15	Power Supply-24vdc,10A	2 pcs
16	MCB-6A SP	2 pcs
17	MCB-TP-32A-	2pcs
18	MCCB-60A	1 pcs
19	Power indicator Lamp- 220VAC	5 pcs
20	All fixing accessories	1 Set

8086 Microprocessor Trainer Kit

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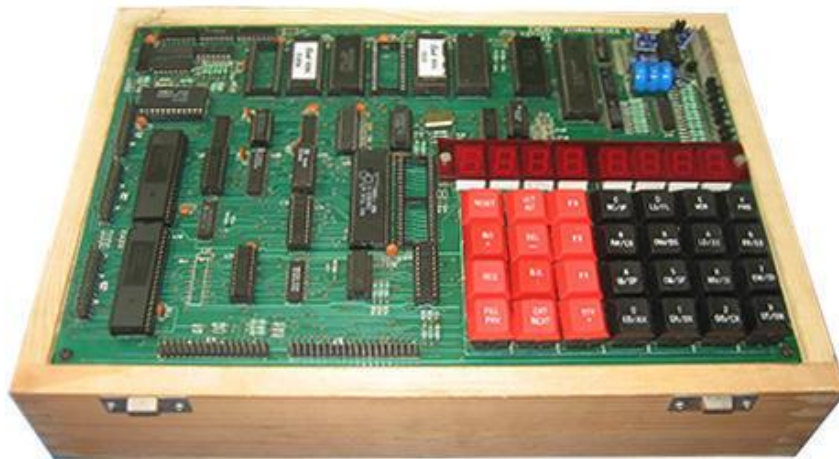
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Price: 40,000.00

RAM:	16
CPU:	2.5/5 Mhz
Code:	ET-8086
EPROM:	16 K
Memory:	384 K



Feathers: Technical Specification:

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- Microprocessor Training kit based on 8086 with the following specifications:
- Based on Intel's 8086/8088 CPU @ 2.5/5 MHz.
- 8086 Processor can be replaced by 8088.
- 16K bytes of RAM available to the user(6264)
- 16K bytes of EPROM loaded with powerful monitor program 2764/27128.
- Memory expandable further to 384 K byte
- Memory mapping definable by the user.
- Battery Back up for RAM area (Optional).
- 48 I/O lines provided through 2 Nos. 8255.
- Three 16-bit Timers/Counters through 8253.
- RS-232C for CRT Terminal through 8251.
- Baud rate selection through DIP Switch.
- 28 Keys and eight seven segment displays.
- Resident monitor with two modes of operation: keyboard and serial mode.
- All address, data and control signals available at FRC connector
- Powerful software commands like Go, Examine/Modify bytes/Register, Single stepping; Block Move, Fill, Insert, Delete, Input/output bytes & word.
- Uploading /Down loading facility with PC.
- Assembler/ Dissembler With Built in Power Supply.

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