HORNER AUTOMATION GROUP

CE

Academic Program Automation Starter Kits

Programmable Controller
HMI • I/O • Networking
All-in-One

High Performance - FREE Solution for distant learning needs and unlimited lab time for your students

EDUCATION TOOL

Use the Powerful Horner "All-In-One" PLC/HMI Controller to help eliminate lab-time bottlenecks and time limitations. The use of the OCS with our Academic Program makes it easy and FREE for each student to have their own lab equipment and be able to meet their requirements for your automation educational program. They will have access to develop programmable ladder logic control, graphical Human Machine Interface, I/O connectivity (discrete and analog), and networking (Serial, CAN, and Ethernet) with our easy-to-use products. Including our **FREE** CsCAPE software. Our Micro X5, X7A PLC/HMI, or CPU300 with HMI Connect kits are now available at no cost to the school and/or instructor, when used in the classroom or lab environment. The students have the option to purchase this same kit at 50% off and keep it for themselves. Tech schools and university programs have commented that the students have learned more with this tool, as they have more time to spend in a lab environment.

MICRO OCS OR MODULAR CONTROLLER

To learn more about the Horner Micro OCS Series Controllers, **CLICK HERE**
To learn more about the Horner CPU300 & HMI Connect, **CLICK HERE**

PART NUMBER	DESCRIPTION
HE-X5-AKIT	X5, programming cables, power supply, Cscape w symbols, I/O Simulator
HE-X7A-AKIT	X7A, programming cables, power supply, Cscape w symbols, I/O Simulator
HE-CPU300-AKIT	CPU300 with HMI Connect 7, HE959DIQ616 I/O Module, programming cables, power supply, Cscape w symbols, I/O Simulator
HE-WMV01001	WebMI* - Unlimited users, 100 data point 20 pages, 1 license
HEMC1	Removable microSD Memory Card
HEMR1	Memory Card Reader for the HEMC1

HE-TK001
I/O Simulator

HEMC1

HEMR1

HE-WMV01001

ASK ME ABOUT OUR UNIVERSAL I/O SIMULATOR ACCESSORY!

59 South State Ave., Indianapolis, IN 46201 | (p) 317.916.4274 (tf) 877.665.5666 (f) 317.639.4279 | www.hornerautomation.com

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X5 Academic

CONTROLLER	
CPU	32 Bit Arm with Integrated Graphics
Logic Scan Rate	0.04 mS/K
Built-In Storage	16MB
Removable Memory	32GB microSD*
Retentive Storage	128K Battery-Backed Ram
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

PHYSICAL SPECIFICATIONS	
Dimensions	mm: 96.27 h x 124.97 w x 35.8 d in: 3.79 h x 4.92 w x 1.4 d

MODEL-DEPENDENT OPTIONS	
X5	HE-X5-AKIT

https://hornerautomation.com/product/x5/

X7 Academic

CONTROLLER	
CPU	32 Bit Arm with Integrated Graphics
Logic Scan Rate	0.4 mS/K
Built-In Storage	16MB
Removable Memory	32GB microSD*
Retentive Storage	128K Battery-Backed Ram
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

PHYSICAL SPECIFICATIONS	
Dimensions	mm: 143.50 h x 186.08 w x 46.60 d in: 5.65 h x 7.33 w x 1.34 d

MODEL-DEPENDENT OPTIONS	
X7A	HE-X7A-AKIT

https://hornerautomation.com/product/x7/

CPU300 Academic

CONTROLLER	
CPU	Dual-Core 32 Bit Arm with Integrated Graphics
Logic Scan Rate	0.02 mS/K
Built-In Storage	4GB
Removable Memory	32GB microSD*
Retentive Storage	128K MRAM
Programming Languages	Advanced Ladder or IEC: ST, LD, FBD, IL, SFC

PHYSICAL SPECIFICATIONS	
Dimensions (CPU)	mm: 114.4 h x 124.9 w x 50 d in: 4.5 h x 4.92 w x 1.97 d
Dimensions (HMI)	mm: 143.5 h x 186.08 w x 52.88 d in: 5.65 h x 7.33 w x 2.08 d

MODEL-DEPENDENT OPTIONS	
CPU300	HE-CPU300-AKIT

https://hornerautomation.com/product/cpu300-hmi-connect/

INPUTS/OUTPUTS MODEL OVERVIEW

	X5	X7A	CPU300
DC In	4	12	no built-in I/O
DC Out	4	12	
HS In	4 @ 500kHz (4 signals)	4	
HS Out	2 PWM or Stepper Out	2	Local I/O Expansion - 7 modules max Network I/O Expansion - 16 bases x 8 modules max
Analog In	4	mA x 4 or RTD x 2	
Analog Out	-	mA x 2	

ACADEMIC KIT CONTENTS

- Horner Travel Case with One Micro X5, X7A or CPU300 with HMI Connect
- 6W 24VDC Wall Mount Power Supply
- I/O Simulator
- Latest Version of Cscape with Symbols
- USB to Mini USB Cable
- USB to RS-232 Serial (HE-USB600: USB to RS-232 Adaptor)
- RS-232 to RJ45 Ethernet (HE500CBL300: Programming Cable for OCS)

TO ORDER or for more details and specs, see our website:
https://hornerautomation.com/product/academic-program/

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