



HORNER

AUTOMATION GROUP

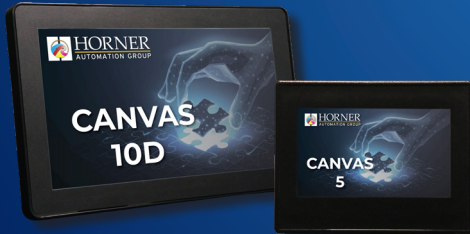


Power, Flexibility & PLC Simplicity

A modular control platform
that lets you scale effortlessly
from compact machines
to complex systems



WHEN TO USE A HORNER ALL-IN-ONE PLC w/HMI:

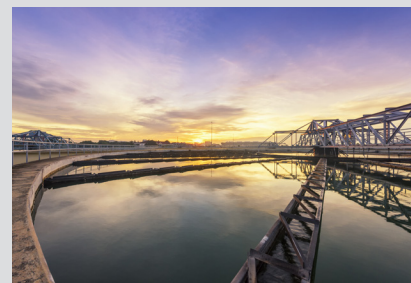


- Compact machines where space is at a premium - the integrated HMI and I/O provide the smallest possible package for demanding OEM applications
- Installations where I/O is needed on the panel door. Connecting I/O directly from the OCS to buttons, indicators and meters, makes wiring from the OCS easier and more concise. You can always add OCS-I/O modules or other remote I/O onto the back panel to expand your I/O.
- Applications where the built-in I/O is a perfect fit. Micro controllers along with a great combination of digital and analog I/O, or our XL Prime and Canvas controllers have selectable options to tailor the I/O for your needs.
- OEM machines are the perfect match for our Horner PLC with HMI products. The compact all-in-one nature combines control, HMI, I/O, and networking, all together for fast and easy installation.



WHEN TO USE A HORNER MODULAR CONTROLLER:

- Applications where you want to install most wiring in the back of a panel. I/O can wire to local or remote I/O.
- Instances where you need a more complex mix of I/O. With up to 7 local OCS-I/O modules and over 100 remote modules, you can have the I/O that you need for your application.
- Operations where the control, HMI, and I/O need to be mounted at different locations. With HMI connect you can have your HMI up to 8 meters (26 feet) from the controller with just a single cable.
- Applications where the screen can easily be damaged. Our modular controllers and HMI connect screens are rugged and tough, but some applications can be messy or see a lot of impact. If your HMI connect screen gets damaged, just plug a new one in...no programming or configuration required.
- Uses where different screen sizes are required. With Horner modular controllers like the CPU300, your main system and wiring can be the same and you can install multiple screens (of the same size). You can even update the screen in the field. The basic cutouts for the 7", 10" and 15" displays are the same as our PLCs.



INDUSTRIAL CONTROL REDEFINED

MODULAR CONTROL

The CPU300 represents a modern, scalable approach to industrial automation, that blends modular I/O, PLC performance, smart relay simplicity, and cloud-enabled data access, into a single flexible architecture.

Why It's Called Modular (or Hybrid):

- It enables local and remote control and monitoring, simple or complex control strategies, and centralized or distributed I/O
- Ideal for both discrete logic and analog process control
- Grows from a smart relay to a full-featured edge controller

Modular Control Merges:

- PLC-style logic (ladder, function block, structured text)
- Smart relay simplicity for basic control tasks
- High-speed local and remote I/O
- Edge computing with secure cloud access via OCS360

CPU300 as the Modular Controller:

- Dual-core ARM processor
- Uses Cscape for Advanced Ladder or IEC logic
- Direct plug-and-play interface with Horner OCS-I/O
- Integrated support for Modbus TCP/RTU, Ethernet/IP
- Built-in data logging, scripting, HMI, and secure cloud connection
- CPU300 can serve as a compact all-in-one controller, a distributed I/O node, or a scalable edge-enabled platform.

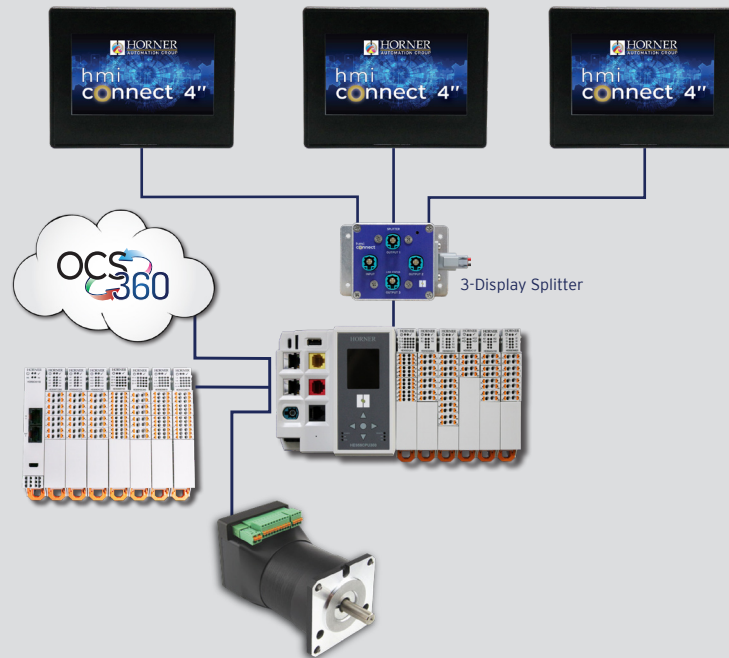
Key Advantages

- Modular and cost-effective with fewer components for faster builds
- All-in-one control + cloud dashboard and seamless remote visibility via OCS360
- Zero-configuration I/O expansion with OCS-I/O
- Cleaner integration & less wiring - a single cable provides power, display and touch signals

USING THE CPU300

Typical Modular System Architecture

- CPU300 Controller mounted in-panel with local OCS-I/O
- Remote I/O via CAN or Ethernet
- Operator interface through (up to 3) connected HMI Displays or remote interactive dashboards via OCS360
- Field devices: sensors, drives, actuators, etc.
- Secure cloud connection to OCS360 for dashboards, alerts, data collection and diagnostics



	LOGIC MEMORY	LOGIC SCAN RATE
CPU151	64K	1.2 mS/K
CPU200	2MB	0.4 mS/K
CPU250	2MB	0.4 mS/K
CPU260	2MB	0.02 mS/K
CPU300	2MB	0.02 mS/K



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