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Horner OCS CPU - Highly Expendable & Flexible Controller Solutions with OCS I/O Expansion

Summary

Horner Automation's OCS that features a combined controller, HMI, I/O and networking has been very successful since its launch in the 1990's. They are now preparing to launch CPUs that can be expanded with OCS I/O and viewed and controlled by a remote connected screen or by a web browser. See them first and get hands on at this year's SPS 2024 Trade show in Nuremberg, Germany from 12th – 14th November 2024.

CPU250: HE959CPU250

The CPU250 is Horner's Micro OCS equivalent in the OCS CPU lineup. Serial, Ethernet, and CAN communications are available as standard, as well as support for WebMI that can be used as a remote interface. It also makes a transition to USB-C for programming purposes and can even be powered locally by the same connection, to easily load a program on your test bench or desk setup!

Like the Micro OCS lineup, the CPU250 comes with a great amount of onboard I/O. Up to 34 I/O points – a whopping 16 of which can be configured as analog! And if that isn't enough, as part of the OCS-I/O family it can easily be expanded with up to 7 OCS-I/O modules locally as well.

CPU250 Features

- 2MB Logic capacity, 50,000 %R Holding Registers
- 8 DC Inputs (4 High Speed), 10 DC Outputs (2 High Speed)
- 8 Flexible Inputs (Digital or Analog) configured as DC In or 0-10V/4-20mA inputs
- 8 Analog Outputs (4 x 4-20mA, 4 x 0-10V)
- Compatible with OCS-I/O modules for local and remote I/O expansion
- Ethernet, RS232/485 and CAN ports, and WebMI-capable
- USB-C for programming, Micro SD slot for datalogging

CPU300: HE959CPU300

With the all-new CPU300 in Horner's OCS CPU series, this advanced product really shines with the unseen flexibility of an All-In-One controller design. It starts with a powerful multi-core SOM with performance on par with Horner's Canvas series of controllers and includes a suite of new connectivity including USB Type C, dual ethernet ports with support for a built-in switch, and a new Display connection for remote displays that Horner has branded as "Plug and Play Displays".
This connection provides power and display/touch signals to Plug and Play displays in a simplified and robust cable connection, fit for traditional panel builds as well as harsher environments such as mobile applications. It can be used with a variety of available screen sizes and resolutions, while still supporting a local 2.2" display that can be used for advanced diagnostics without the need for an HMI if needed.

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On top of all the connectivity options is the ability to use OCSI/O modules as local I/O up to 7 modules, plus an additional dedicated OCS-I/O port that can be used in junction with another rack of OCS-I/O modules (1 base + up to 7 modules) that can also be treated as local synchronous I/O. This dedicated port provides 24V power to the remote I/O base to once again provide a very simplified connection to all your system hardware and reduce the number of terminal connections needed in your panel wiring.

CPU300 Features
- Re-thinking the all-in-one controller with simplified optional FPD-Link displays
- Able to easily retrofit traditional HMI / PLC installations and still take advantage of
- programming in the all-in-one Cscape software package
- 2MB Logic capacity, Multi-Core SOM with dedicated logic and graphics cores
- Local 2" display for System Menu and new remote FPD-Link displays
- Compatible with OCS-I/O modules for local and remote I/O expansion
- Dual Ethernet, RS232/485 serial, 1 CAN port
- Dedicated expansion port for 2nd rack of synchronous I/O
- USB-C for programming, Micro SD slot for datalogging

About Horner Automation Europe

We are part of the world-wide Horner Electric Group that was founded in 1949 and have been designing PLC's, Communication Products, HMI's and their related products since the early '80s.

Based in Cork, Ireland, Horner Ireland Limited is the European Headquarters of the Group and was founded in 1997. Our ethos is to design and manufacture innovative products that are extremely easy to use and provide significant value to our customers.

We pride ourselves on being the industry leading provider of all-in-one controllers. We offer all-in-one control solutions for OEM's, integrators and end-users. Our range of Programmable Logic Controllers and Human Machine Interfaces are widely used across industry.

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Press Pictures:

Figure 1 - CPU250

Figure 2- CPU300 with 6 OCS I/O Modules

Download link: https://hornerautomation.eu/?cmdm_direct_download_id=266152

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