

# THE INDUSTRY LEADER IN REMOTE I/O



## GLOBAL HEADQUARTERS

59 S. State Ave.  
Indianapolis, Indiana 46201  
P 317-916-4274  
F 317-639-4279  
TF 877-665-5666  
[www.hornerautomation.com](http://www.hornerautomation.com)  
[sales@heapg.com](mailto:sales@heapg.com)

## INTERNATIONAL OPERATIONS

**HORNER EUROPE**  
Horner Ireland Limited, Unit 1  
Centrepark, Centrepark Road  
Cork, Ireland  
P +353-21-4321266  
F +353-21-4321826  
[info@horner-apg.com](mailto:info@horner-apg.com)  
[www.hornerautomation.eu](http://www.hornerautomation.eu)

**HORNER CANADA**  
916 42 Avenue SE #120  
Calgary, Alberta T2G 1Z2  
P (403) 444-0928  
F (403) 265-0966  
[info@hornerautomation.com](mailto:info@hornerautomation.com)  
[www.hornerautomation.com](http://www.hornerautomation.com)



## EXPAND I/O CAPACITY OF OCS ALL-IN-ONE CONTROLLERS

By using remote I/O, Horner controllers offer easier programming, installation, development and set-up. Our controllers have a small footprint and can easily retrofit into an existing system with little effort.

### OCS I/O

The OCS I/O series features an impressive remote I/O system with support for both asynchronous and synchronous scan. This newest product line features a selection of I/O modules with easy installation and wiring using Horner's signature technology.

### SMARTRAIL

SmartRail expands the I/O capacity of OCS all-in-one controllers. SmartRail uses either CANbus or Ethernet communications and can be installed locally or hundreds of meters away.

### SMARTBLOCK

Using CsCAN communications, SmartBlock I/O provides easy configuration and network expansion. Designed to complement Horner SmartStix Digital I/O family, these two families can be used to expand the I/O capacity of any OCS.

### SMARTSTIX

A cost-effective option as expansion or remote I/O and that is extremely compact and also uses CsCAN communications. The SmartStix offers easy configuration through rotary switches and Cscape programming software.

### RCC6512

A versatile product for high-speed applications. The RCC6512 combines a control co-processor with high-speed digital and analog I/O with integrated networking.

### ADD-ON I/O

Add-on I/O expands digital and analog outputs for OCS all-in-one controllers.

## INDUSTRY LEADING ALL-IN-ONE CONTROLLER

Horner controllers provide the best all-in-one, affordable control solution for OEMs, integrators and end-users by combining robust, reliable control products with operator interface, I/O and networking into a single compact unit. The Horner controllers are designed to provide you with ease of use, cost savings and flexibility for your operation, no matter the application.

With proven success across a wide variety of applications, the XL series is ideal for:

- Custom OEM products
- Power management & back-up generation
- Semiconductor applications
- Packaging machinery
- Water treatment
- Compressor control
- Pump control
- Food processing
- Motion control
- Distributed conveyor control
- HVAC/Environmental control
- Mobile machinery
- Automotive parts manufacturing

## POWERFUL, SECURE CSCAPE PROGRAMMING SOFTWARE

Horner All-in-One controllers combine graphical ladder logic programming, operator interface development, I/O configuration and network configuration. The user friendly interface provides free form and drag & drop editor, as well as more than 100 functions to choose from.

From the Horner website, [hornerautomation.com](http://hornerautomation.com), download the Cscape software or software updates at no charge. This free service allows you to avoid costly licensing fees while always having the most up-to-date software version.

## SUPPORTED PROTOCOLS

### Corporate WAN/ LAN Ethernet

HTTP/HTTPS  
Email (SMTP)  
FTP  
WebMI  
MQTT/REST

### Automation LAN (Ethernet)

Modbus TCP  
EGD  
EthernetIP  
BACnet

HTTP/HTTPS  
Email (SMTP)  
FTP  
WebMI  
MQT/REST

### Serial Bus (RS232/485)

Modbus RTU / ASCII  
DF1  
BACnet  
NEMA and more

### Field Bus (CAN)

CsCAN  
CANopen  
J1939

OCS I/O

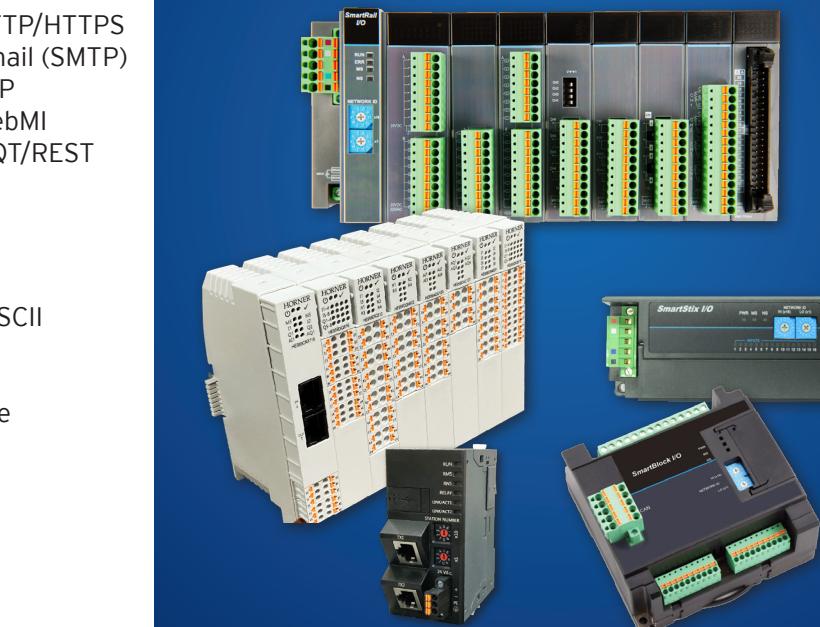
SmartRail

SmartBlock

SmartStix



## REMOTE I/O



I/O EXPANSION FOR  
ALL-IN-ONE CONTROLLERS

