

# THE INDUSTRY LEADER IN REMOTE I/O



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## 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:

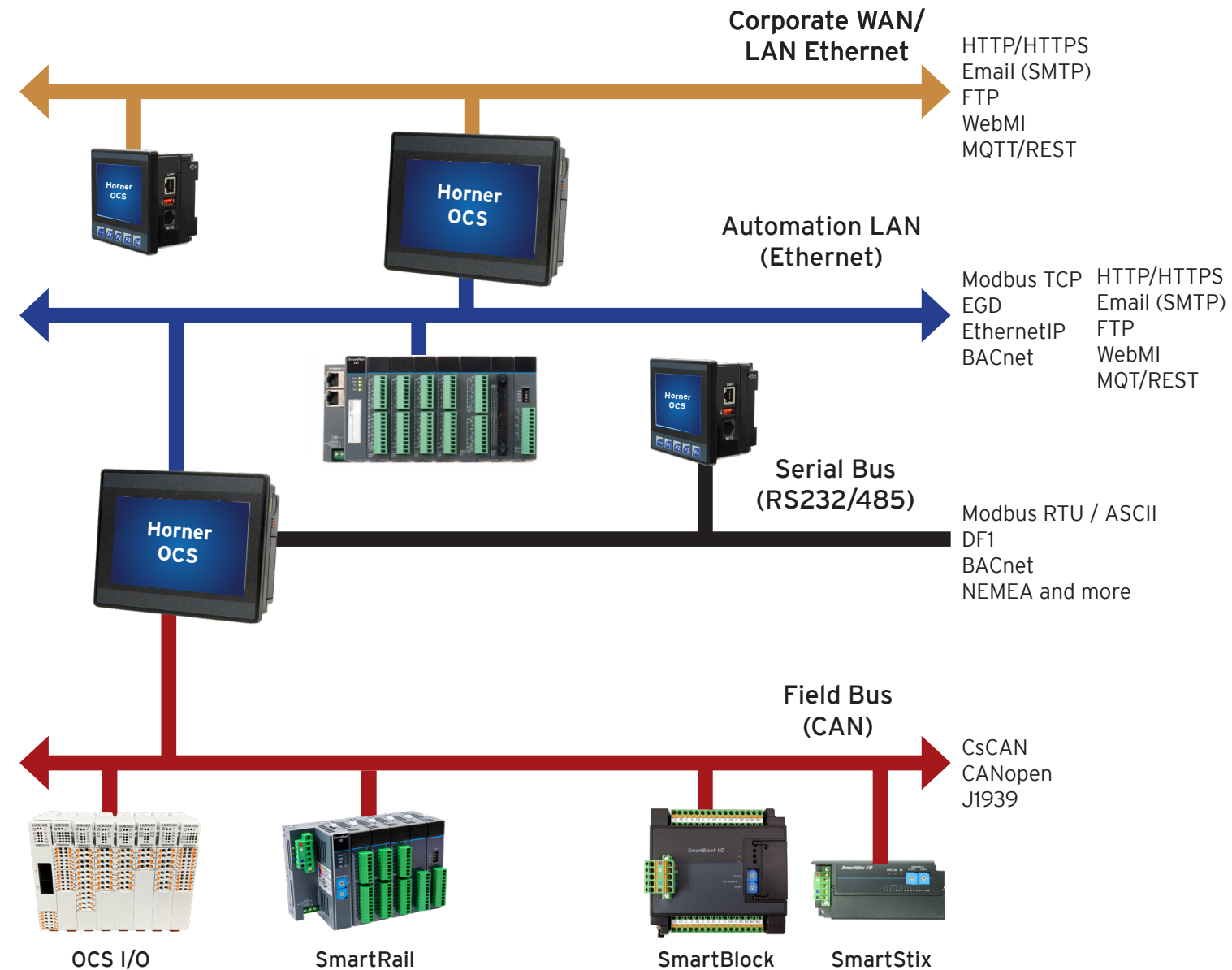
- Custom OEM products
- Power management & back-up generation
- Semiconductor applications
- Packaging machinery
- Water treatment
- Compressor control
- Pump control
- Food processing
- Motion control
- Distributed conveyor control
- HVAC/Environmental control
- Mobile machinery
- Automotive parts manufacturing

## 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, 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



## REMOTE I/O



## I/O EXPANSION FOR ALL-IN-ONE CONTROLLERS

[illegible]

**\*CNX116 or CNX100 required**

[illegible]

**\*SmartRail base required for SmartRail Modules**

[illegible][illegible]

MIX102	MIX105	MIX577	MIX977	RTD100	RTD200	THM100	THM200
SmartBlock Modules							
✓	✓	✓	✓	✓	✓	✓	✓
12	12						
	12						
6							
3	1						
4	3	4	8	4	8	4	8
14	14	14	14	16	16	16	16
✓	✓	✓	✓				
✓	✓	✓	✓				
				✓	✓		
						✓	✓
						✓	✓
	2	2	4				
	14	14	14				
	✓	✓	✓				
	✓	✓	✓				

✓	✓	✓	✓	✓	✓	✓	✓
12	12						
	12						
6							
3	1						
4	3	4	8	4	8	4	8
14	14	14	14	16	16	16	16
✓	✓	✓	✓				
✓	✓	✓	✓				
				✓	✓		
						✓	✓
						✓	✓
	2	2	4				
	14	14	14				
	✓	✓	✓				
	✓	✓	✓				

ACM300	ADC570	ADC970	BMS168	DAC207	DIO880	DIO881	DQM204
SmartBlock Modules							
✓	✓	✓	✓	✓	✓	✓	✓
					8	8	
						8	
			8		8		
							8AC
					3	1	1
	6	12					
	16	16					
	✓	✓					
	✓	✓					
	✓	✓					
					8		
					14		
					✓		
					✓		
✓							
			16				

✓	✓	✓	✓	✓	✓	✓	✓
					8	8	
						8	
			8		8		
							8AC
					3	1	1
	6	12					
	16	16					
	✓	✓					
	✓	✓					
	✓	✓					
				8			
				14			
				✓			
				✓			
✓							
			16				

[illegible][illegible]

XDAc007	XDAc107	XHSQ	XHSQ-5
Add-on I/O*			
✓	✓	✓	✓
		2	2 (5VDC)
		0.5	0.2
		✓	✓
2	4		
12	12		
✓	✓		
✓	✓		
✓	✓		

✓	✓	✓	✓
		2	2 (5VDC)
		0.5	0.2
		✓	✓
2	4		
12	12		
✓	✓		
✓	✓		
✓	✓		

**\*XL OCS required**