



CANVAS COLLECTION



THE NEXT GENERATION
OF HORNER CONTROL



INDUSTRY LEADING ALL-IN-ONE CONTROLLER

For years, the Horner XL and XL Prime Series have been trusted worldwide as premier all-in-one controllers.

The Canvas Collection builds on this legacy, pairing OCS controllers with Cscape 10 to give users complete creative freedom with upgraded graphic objects, single-touch swipe gestures, and a redesigned system menu. It features license-free WebMI+ remote access, MQTT Sparkplug, multiple CAN protocols, and enhanced IEC programming support out of the box.

Whether you are designing a new control system or upgrading an existing one, Canvas offers an integrated hardware and software solution. Application programs from existing XL or XL Prime units port over in less than 1 minute.

- **All-In-One Control:** Combines logic, HMI, I/O, and networking in one unified design.
- **Vibrant Color Touchscreens:** Enables modern, responsive machine control dashboards.
- **All New Graphics Objects:** Redesigned trending, recipes, and alarms with modern aesthetics and full feature sets.
- **Multi-Core Microprocessor:** Features dedicated CPU cores for logic and graphics to ensure fast, consistent scan times.
- **Flexible Logic Languages:** Supports both Advanced Ladder Logic and IEC 61131 standard languages.
- **Industrial Ethernet:** Provides fast Ethernet with EtherNet/IP, Modbus TCP, BACnet IP, FTP, and Email.
- **IIOT & Remote Control:** Includes free, license-free WebMI+ remote monitoring and MQTT Sparkplug cloud connectivity.
- **OCS360 Cloud Service Ready:** Pre-configured for Horner's upcoming OCS360 Cloud Service.



PROGRAM CANVAS USING CSCAPE 10

Canvas is powered by Cscape 10, a major update to Horner's free development software that allows side-by-side tabbed editing for graphics and logic. Users can leverage redesigned Alarm Handlers, Recipe Editors, Video Players, and advanced trending objects (XY, Scatter, and Trend Graphs supporting up to 16 pens and microSD logging).

SMALL FOOTPRINT, EASY I/O EXPANSION

Canvas delivers easier programming and a smaller footprint than separate PLC and HMI setups. Beyond onboard I/O, systems expand easily using new OCS-I/O or established options like SmartRail, SmartStix, and SmartBlock for local or distributed control.

CONNECTIVITY

Canvas is designed to connect seamlessly across industrial environments using EtherNet/IP, Modbus TCP, BACnet IP, CAN (CsCAN, CANopen, J1939), and RS232/485 (Modbus RTU) to interface with drives, scanners, and legacy gear.

IIOT & AI READY WITH MQTT

Canvas enables Industry 4.0 out of the box. It comes pre-configured for the OCS360 Horner Cloud to gather data for future AI machine learning, and features built-in MQTT Sparkplug for direct streaming to Inductive Automation® Ignition SCADA systems.





FEATURES	
Controller	Ladder Logic Memory
	Logic Scan Rate
	Removable Memory
	Local Comment Storage
	Floating Point Support
	AutoTune PID Capable
Operator Interface	Characters/Pixels
	Display Technology
	Brightness
	Character Height
	Number of Screens
	Fields or Objects per Screen
	Function Keys
	OEM Faceplate Available
I/O	Built-in I/O points
	Add on - SmartStix, SmartRail, SmartBlock, SmartMod
	Digital Inputs/Outputs, Max
	Analog Inputs/Outputs, Max
	General Purpose Registers (words)*
	General Purpose Internal Coils (bits)
Ethernet/ Internet	LAN Ports
	Factory Protocols
	IloT & Remote Access
	Other Protocols
Serial Communications	Serial Ports
	RS-232 Ports/RS-485 Ports
	PLC/Drive Protocols
	RTU/Modbus Master/Slave/Serial ASCII In/Out
	USB Port - USB 2.0 port A
	USB Port
Networking	CAN Network Support
	Maximum CsCAN Distance**
	Programming Over Network
	Peer-to-Peer Messaging
Physical Specifications	Height (inches/mm)
	Width (inches/mm)
	Depth (inches/mm)
Operating Specifications & Standards	Operating Temperature
	Humidity (non-condensing)
	Product Certifications/Approvals
	Environmental Rating

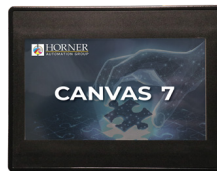
Canvas 4	Canvas 5
2MB	2MB
0.02mS/K	0.02mS/K
microSD	microSD
Yes	Yes
Yes	Yes
Yes	Yes
320x240	480 x 272
3.5" QVGA	4.3" LCD with LED
640 nits	450 nits
Selectable Fonts	Selectable Fonts
1023	1023
1023	1023
4 + System Key	4 + System Key (on screen)
Yes	Yes
22 - 42	12
CsCAN & Ethernet	CsCAN & Ethernet
2048 / 2048	2048 / 2048
512 / 512	512 / 512
50,000	50,000
32768 (16384 ret.)	16384
1	1
Ethernet IP (Server & HMI), Modbus TCP (Client/Server), BACnet IP (Server), EGD MQTT Sparkplug, Horner OCS360 Cloud Service, WebMI via HTML5, Envision RV* SMTP (Client), NTP (Client), FTP (Server)	
2	2
RS-232 & RS485 (1 of each)	RS-232 / RS485 (x2)
Yes	Yes
Yes	Yes
Flash Drive, Camera, Keyboard & Mouse	Flash Drive, Camera, Keyboard & Mouse
Mini B - Programming Only	Mini B - Programming Only
CsCAN, CANopen, DeviceNet, J1939	CsCAN, CANopen, DeviceNet, J1939
1640 ft.	1640 ft.
Yes	Yes
Yes	Yes
3.78" / 96.0 mm	3.79" / 96 mm
3.78" / 96.0 mm	4.92" / 125 mm
2.26" / 57.5 mm	1.22" / 31 mm
-10 to 60°C (-40°C option available)	-10 to 60°C
5 to 95%	5 to 95%
UL Class 1 Div II, CE	UL Class 1 Div II, CE
UL Type 1, 3R, 4, 4x, 12, 12k, 13	UL Type 1, 3R, 4, 4x, 12, 12k, 13

*OCS360 is an annual subscription service

*Actual retentive register count may vary from model to model, please contact factory for more details
**Please refer to CsCAN Installation Manual



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FEATURES

Controller

Ladder Logic Memory
Logic Scan Rate
Removable Memory
Local Comment Storage
Floating Point Support
AutoTune PID Capable

Operator Interface

Characters/Pixels
Display Technology
Brightness
Character Height
Number of Screens
Fields or Objects per Screen
Function Keys
OEM Faceplate Available

I/O

Built-in I/O points
Add on - SmartStix, SmartRail, SmartBlock, SmartMod
Digital Inputs/Outputs, Max
Analog Inputs/Outputs, Max
General Purpose Registers (words)*
General Purpose Internal Coils (bits)

Ethernet/Internet

LAN Ports
Factory Protocols
IIoT & Remote Access
Other Protocols

Serial Communications

Serial Ports
RS-232 Ports/RS-485 Ports
PLC/Drive Protocols
RTU/Modbus Master/Slave/Serial ASCII In/Out
USB Port - USB 2.0 port A
USB Port

Networking

CAN Network Support
Maximum CsCAN Distance**
Programming Over Network
Peer-to-Peer Messaging

Physical Specifications

Height (inches/mm)
Width (inches/mm)
Depth (inches/mm)

Operating Specifications & Standards

Operating Temperature
Humidity (non-condensing)
Product Certifications/Approvals
Environmental Rating

Canvas 7

2MB
0.02mS/K
microSD
Yes
Yes
Yes

800 x 480

7" WVGA

420 nits

Selectable Fonts

1023

1023

5 + System Key (on screen)

Yes

22-42

CsCAN & Ethernet

2048 / 2048

512 / 512

50,000

32768 (16384 ret.)

1

Ethernet IP (Server & HMI), Modbus TCP (Client/Server), BACnet IP (Server), EGD

MQTT Sparkplug, Horner OCS360 Cloud Service, WebMI via HTML5, Envision RV*

SMTP (Client), NTP (Client), FTP (Server)

3

RS-232 &/or RS485

Yes

Yes

Flash Drive, Camera, Keyboard & Mouse

Mini B - Programming Only

CsCAN, CANopen, DeviceNet, J1939

1640 ft.

Yes

Yes

5.66" / 143.8 mm

7.34" / 186.08 mm

1.84" / 46.62 mm

-10 to 60°C

5 to 95%

UL Class 1 Div II, CE

UL Type 1, 3R, 4, 4x, 12, 12k, 13, 13UL, 13ULS

*OCS360 is an annual subscription service

Canvas 7D

2MB
0.02mS/K
microSD
Yes
Yes
Yes

800 x 480

7" WVGA (Std)/TFT Color (-22 opt)*

420 nits (Std)/1000 nits (-22 opt)*

Selectable Fonts

1023

1023

5 + System Key

Yes

22 - 42

CsCAN & Ethernet

2048 / 2048

512 / 512

50,000

32768 (16384 retentive)

2

Ethernet IP (Server & HMI), Modbus TCP (Client/Server), BACnet IP (Server), EGD

MQTT Sparkplug, Horner OCS360 Cloud Service, WebMI via HTML5, Envision RV*

SMTP (Client), NTP (Client), FTP (Server)

3

RS-232 &/or RS485

Yes

Yes

Flash Drive, Camera, Keyboard & Mouse

Type C - Programming Only

CsCAN, CANopen, DeviceNet, J1939

1640 ft.

Yes

Yes

5.69" / 144.49 mm

8.27" / 210 mm

3.57" / 90.63 mm

-10 to 60°C (-40°C option available)

5 to 95%

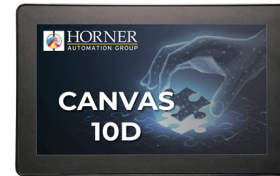
UL Class 1 Div II, CE, Atex (-450 opt)

UL Type 1, 3R, 4, 4x, 12, 12k, 13, 13UL, 13ULS

*-22 opt - Sunlight Display - TFT Color, 900 nits

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FEATURES

Controller	Ladder Logic Memory
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	Width (inches/mm)
	Depth (inches/mm)
Operating Specifications & Standards	Operating Temperature
	Humidity (non-condensing)
	Product Certifications/Approvals
	Environmental Rating

Canvas 10D

2MB
0.02mS/K
microSD
Yes
Yes
Yes
1024 x 600
10.1" WSVGA
300 nits
Selectable Fonts
1023
1023
5 + System Key (on screen)
Yes
22 - 42
CsCAN & Ethernet
2048 / 2048
512 / 512
50,000
32768 (16384 retentive)
2
Ethernet IP (Server & HMI), Modbus TCP (Client/Server), BACnet IP (Server), EGD
MQTT Sparkplug, Horner OCS360 Cloud Service*, WebMI via HTML5, Envision RV
SMTP (Client), NTP (Client), FTP (Server)
3
RS-232 &/or RS485
Yes
Yes
Flash Drive, Camera, Keyboard & Mouse
Type C - Programming Only
CsCAN, CANopen, DeviceNet, J1939
1640 ft.
Yes
Yes
6.5" / 166.2 mm
10.4" / 263.9 mm
2.2" / 55.8 mm
-10 to 60°C
5 to 95%
UL Class 1 Div II (pending), CE
UL Type 1, 3R, 4, 4x, 12, 12k, 13, ABS 

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