

SVGA Colour-Touch OCS

Large Screen Colour-Touch Series

The SVGA OCS series adds large screen, high resolution colour-touchscreens to the Operator Control Station (OCS)* product line. The new large screen Colour-Touch OCS products feature 8", 10", and 12" displays, 800 x 600 resolution, over 32,000 colours, a standard Ethernet port, a CompactFlash (CF) slot and seven function keys. I/O options include SmartStack I/O using the fibre optic FOX I/O system and the new SmartStix I/O. The Cscape Windows-based software combines ladder logic programming and graphics in one development system and allows easy portability of applications among all SVGA models, providing effortless scalability.

The SVGA Colour-Touch OCS integrates the features and functionality of colour operator interfaces and programmable controllers using a single programming software. Colour-Touch OCS provides fully functional ladder logic capability, powerful graphics objects to quickly and simply build panel replacement screens, the ability to import and animate bitmaps to build sophisticated screens, and the ability to import fonts for multi-language applications. For process monitoring applications, Colour-Touch OCS supports charting, trending and alarm management, and data can be stored on CompactFlash.

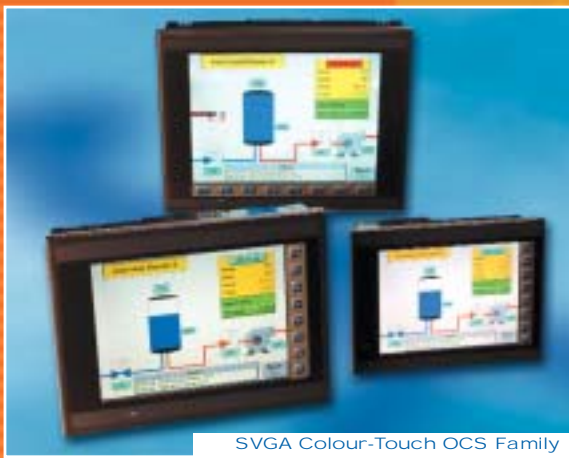
The operator interface used in the large screen Colour-Touch OCS series is an SVGA colour LCD display (TFT) with a resistive 8.4", 10.4" or 12.1" touchscreen. It has one dedicated and seven configurable function keys, offering the advantages of both a touchscreen and a function key based display. For advanced applications requiring motion video, a video option will be available in the future at an added cost. This option will provide four PAL/NTSC video inputs. In addition to the application graphics, live video from any PAL/NTSC source (camera, VCR, vision sensor) can be shown on the display.

I/O, Communication Options for Any Application

Choose SmartStack I/O, SmartStix I/O or use both with a Colour-Touch OCS. Accommodate up to 20 SmartStack I/O modules using the fibre optic FOX I/O system or use SmartStix I/O, a terminal-block style I/O for applications requiring large numbers of remote I/O. SmartStix I/O connects to any Colour-Touch OCS CsCAN network port. In addition to the CsCAN port that also allows you to network OCS units, there are many other communication connectors. An Ethernet TCP/IP port supports several industrial protocols including Modbus/TCP, CsCAN over Ethernet and Ethernet Global Data. Three serial ports support Modbus/RTU slave and master, ASCII Read/Write and CsCAN serial protocol.

Features & Benefits:

- Dual processors, one for logic and one for screen update, provide high performance (0.7 ms/K logic scan time)
- High resolution 800 x 600 SVGA displays— 8.4", 10.4" and 12.1"
- Seven configurable function keys and touchscreen capability
- 32,767 colours, 15-bit colour depth
- CompactFlash slot
- Ethernet port, CsCAN port plus three serial ports
- Can install or have operator select up to four pre-loaded languages per application
- Ability to add up to eight additional fonts, created or captured from Windows
- Optional PAL/NTSC video inputs (future)
- Supports SmartStack I/O using fibre optic FOX I/O system or SmartStix I/O may be mounted up to 1500 meters from the OCS using repeaters
- Fully compatible with Cscape 6.0 (or later) software



SVGA Colour-Touch OCS Family

Built-in
CompactFlash

Ethernet Port
as Standard

High
Resolution

Configurable
Function Keys

Supports
SmartStix I/O

*OCS combines a logic controller, operator interface, network and I/O in a highly integrated package, reducing installation cost, development time and hardware cost.

SVGA Colour-Touch OCS

Other OCS Models



HE500OCS300



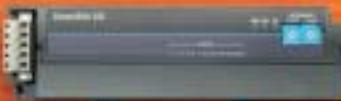
HE500OCS250



HE500OCS200



HE500OCSOXX-MiniOCS



Smartstix I/O Module



Fox Base with SmartStacks

Specifications

| Colour-Touch Models | OCS451 (8-inch) | OCS551 (10-inch) | OCS651 (12-inch) |
|-----------------------------------|---|-------------------|-------------------|
| Display Type (LCD with backlight) | 800 x 600 TFT | 800 x 600 TFT | 800 x 600 TFT |
| Display Size | 8.4" | 10.4" | 12.1" |
| Display Screen Dimensions | 170mm W x 128mm H | 211mm W x 159mm H | 246mm W x 185mm H |
| Display Memory | 8 MBytes | 8 MBytes | 8 MBytes |
| User Keys | 7 configurable keys + System Key | | |
| Screens Supported | 1500 screens (up to 300 objects per screen) | | |
| Number of Colours | 32,768, 15-bit colour depth | | |
| Primary Power | 24VDC(+/-10%). 0.92A @ 24VDC. Inrush Current 25A for 0.7ms. | | |
| Height | 178mm | 231.0mm | 259.6mm |
| Width | 233mm | 303.8mm | 326.4mm |
| Mounting Depth | 94mm | 94mm | 94mm |
| Keypad Material | Faceplate made of Lexan® HP92 by GE Plastics. The material is resistant to most corrosive substances found in industrial environments. The material also holds up well in most industrial conditions. | | |

| | |
|-----------------------------------|---|
| Protocols supported/Serial Ports: | CsCAN, Modbus Master, Modbus Slave, and ASCII Read and Write |
| Protocols supported/CAN Ports: | CsCAN (up to 253 drops) or DeviceNet Slave (Explicit Messaging, Polled Connection, Polled Snooping) |
| Serial Ports | 3 RS-232 / RS-485 Ports. Software Selectable. |
| Network Ports | 1 CAN (DeviceNet slave or CsCAN peer) |
| Communications Options | On-board Ethernet supports TCP/IP with EGD and SRTP, CsCAN TCP, Modbus TCP Slave |
| Expansion I/O | Up to 20 SmartStack I/O Modules via fibre optic FOX I/O system |
| Remote I/O | Up to 252 SmartStix I/O Modules via CSCAN (CAN network) interface |
| Microprocessor(s) | Intel embedded (control); Hitachi SH3-DSP (graphics); Fujitsu Orchid (graphics accelerator) |
| Control Memory | 256K Ladder Memory plus 32KB Register Space |
| Control Scan Rate | 0.7mS / K Ladder Logic (typical) |
| Portable Memory | CompactFlash (CF) slot |
| Temperature & Humidity | 0-50°C, 5 to 95% Non-condensing |
| UL | Class I, Groups A, B, C, D, Division 2 |

Part Numbers

| Part Number | Description |
|-------------|--|
| HE500OCS451 | 8.4" Colour-Touch OCS with 800 x 600 Resolution, 32000+ Colours |
| HE500OCS551 | 10.4" Colour-Touch OCS with 800 x 600 Resolution, 32000+ Colours |
| HE500OCS651 | 12.1" Colour-Touch OCS with 800 x 600 Resolution, 32000+ Colours |

Please check www.horner-apg.com for full model listing

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