



**SmartStix™ I/O - 32 DC Inputs (pos/neg logic)**  
**Tootekood: HE559DIM710**

## SmartStix™ I/O

SmartStix™ I/O is a terminal-block style I/O designed for use with the the XL series Operator Control Station (OCS). It can be used to expand the I/O capacity of any OCS, and it is very cost effective as remote I/O. SmartStix I/O connects to any OCS CsCAN™ network port to provide the best I/O selection for the application. And, output modules feature Electronic Short-Circuit Protection (ESCP).

32 DC Inputs (pos/neg logic) with removable field terminals

### Features

- Compact Size
- Fast Response Times
- Easy to Configure
- Din-Rail Mountable

### The I/O for OCS and other Fieldbus Systems

SmartStix I/O is a terminal-block style I/O for the Operator Control Station (OCS). It can be used to expand the I/O capacity of any OCS and is very cost effective as a remote digital I/O. Because SmartStix I/O connects to any OCS CsCAN network port, it can be combined with SmartStack I/O to provide the best I/O selection for the application.

### Compact, DIN-rail Mounted, Removable Terminal Strip

SmartStix I/O is extremely compact, providing 16 and 32 point digital I/O in a package only 39mm (1.5") deep and a footprint of 50 x 110 mm (2"H x 4.5"W) or 50 x 177mm (2"H x 7"W). With its small footprint, SmartStix I/O takes up very little panel space whether located in the main control panel or tucked away in a remote location. SmartStix I/O has a barrier style terminal strip and can be mounted on a DIN-rail. The terminal Strip is removable leaving the wiring intact for easy field servicing.

### Profibus and Devicenet Versions - complete with Connection Plugs

Smartstix is also available in Profibus and Devicenet versions for connection to other controllers, popular fieldbus systems and comes complete with connection plugs.

### Simple Control via the TIU Operator Interface

Smartstix also connects to CsCAN versions of our powerfull Operator Interface - the TIU range. This allows you to control the smartstix via the TIU's Script Language without the need for a PLC creating a most cost effective system.

### Expands I/O Capacity, Local or Remote

From the miniOCS\* to the Colour-Touchscreen OCS, SmartStix I/O easily expands the digital I/O capacity of any OCS utilising the CsCAN network port available with every model. It is especially cost-effective when added to a MiniOCS. SmartStix I/O offers fast response times without sacrificing robustness, with no need for a costly i/O interface unit. in addition to its peer-to-peer capabilities, CsCAN is used as a highly efficient method of distributing SmartStix I/O up to 1.5 km (6000\*\* feet) away.

### Easy to Setup - Easy to configure

Time and complexity to configure most Remote I/O systems is a drawback. SmartStix I/O greatly reduces setup time. just assign a unique IE to the I/O module using the integrated rotary switches, connect a 5-wire shielded cable and add a single, simple finction block to your Cscape control program. You'll be up and running in no time

### SmartStix Application Examples



MiniOCS  
with integral I/O  
plus SmartStix Remote I/O

OCS100/200/250  
with Local SmartStack I/O  
plus SmartStix Remote I/O

Colour-touch OCS  
with FOX Expansion I/O  
plus SmartStix Remote I/O

\*Optional CsCAN port required for miniOCS

\*\* Maximum distance is 1500 feet per segment, with up to 6000 feet possible using repeater.

### SmartStix Selection Table

#### Digital Modules, Removable Terminal Strip

16 DC Inputs (24vdc, pos/neg logic).	<a href="#">HE459DIM610</a>	<a href="#">HE559DIM610</a>	<a href="#">HE409DIM610</a>
32 DC Inputs (24vdc, pos/neg logic).	<a href="#">HE459DIM710</a>	<a href="#">HE559DIM710</a>	<a href="#">HE409DIM710</a>
16 DC Outputs (24vdc, 0.5A, Sourcing)	<a href="#">HE459DQM606</a>	<a href="#">HE559DQM606</a>	<a href="#">HE409DQM606</a>
32 DC Outputs (24vdc, 0.5A, Sourcing)	<a href="#">HE459DQM706</a>	<a href="#">HE559DQM706</a>	<a href="#">HE409DQM706</a>
16 DC Inputs / 16 DC Outputs (24vdc, 0.5A, Sourcing)	<a href="#">HE459DIQ816</a>	<a href="#">HE559DIQ816</a>	<a href="#">HE409DIQ816</a>
16 Relay Outputs, 2 Amp Maximum	<a href="#">HE459DQM602</a>	<a href="#">HE559DQM602</a>	<a href="#">HE409DQM602</a>

#### Analog Modules, Removable Terminal Strip

12 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	<a href="#">HE559ADC970</a>	<a href="#">HE409ADC970</a>
8 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	<a href="#">HE559MIX977</a>	<a href="#">HE409MIX977</a>
4 Analog Outputs (0-10v, 0-20mA, 14 bit resolution)			
4 Analog Inputs (+/-10v, +/-20mA, 14 bit resolution)	n/a	<a href="#">HE559MIX577</a>	n/a
2 Analog Outputs (0-10v, 0-20mA, 14 bit resolution)			

DeviceNet SmartStix EDS files - [Click Here](#)

Profibus SmartStix GSD files - [Click Here](#)

Analogue Smartstix Programming Guide - [Click Here](#)

### Dimensions



