



## FOX100 SmartStack I/O Expansion Module

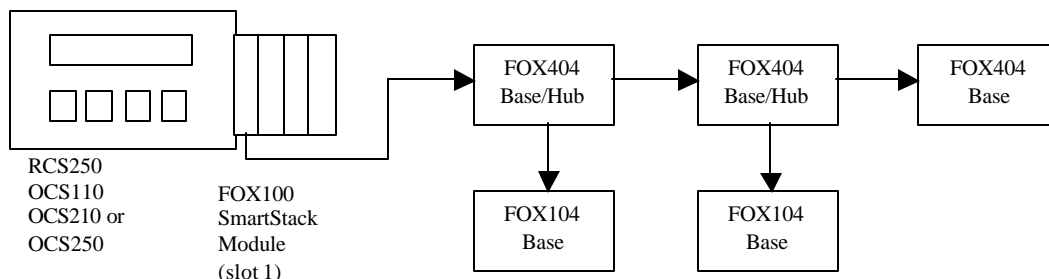
The SmartStack Fiber Optic Expansion (FOX) Module provides significant I/O expansion capability to the Operator Control Station (OCS) family of integrated controllers. Using a FOX100 SmartStack Module with any large memory OCS model—OCS110, OCS210, OCS250 and the new RCS250 - can support up to 23 SmartStack I/O modules. These OCS models were originally limited to a maximum of four local SmartStack modules.

### I/O Expansion Through Fiber Optics

The FOX100 module plugs into the first SmartStack position on the OCS, allowing other SmartStack modules to be plugged into the remaining three positions, including Ethernet. Up to five fiber optic FOX I/O Bases or Base/Hubs can be connected to the FOX100 module, each supporting up to four SmartStack modules. The OCS system now has an overall capacity of 23 SmartStack modules (three local + 20 expansion). Fiber optics is key to achieving speed and noise immunity to expand the OCS SmartStack I/O capacity beyond the standard four modules and plastic fiber offers a superior bend radius and cost advantage over more traditional glass fiber. Inexpensive, factory manufactured cables are available in a variety of lengths. A single-pair of 2m fiber optic cables are included with the FOX100 module.

### Distribute I/O Over a Machine

The FOX I/O expansion architecture allows I/O to be distributed over a medium sized machine through the use of multiple FOX Bases and Base/Hubs (see diagrams below). I/O can be distributed up to 30m from the FOX100 SmartStack Module as long as all five FOX bases are located within three 10m segments from the OCS.



#### Limitations:

1. No fiber segment can be longer than 10m in length. Each arrow in the above diagram represents a fiber segment.
2. Base/Hubs must be used in the middle of a fiber chain. Non-hubs can only be used at the end of a fiber chain.
3. No Base or Base/Hub may be located more than 3 fiber segments (10m each) from the FOX100.
4. The FOX100 is only compatible with models OCS110, OCS210, OCS250 and RCS250.

<b>OCS Controllers Compatible with FOX100</b>	
HE800RCS250	Remote Control Station with 128K ladder & 32K Register memory
HE500OCS110	OCS (2 line x 20 character) with 128K ladder & 32K Register memory
HE500OCS210	OCS (4 line x 20 character) with 128K ladder & 32K Register memory
HE500OCS250	Graphic OCS (240x128 pixel) with 128K ladder & 32K Register memory



***FOX100 SmartStack Fiber Optic Expansion Module (fiber cables included)***

## Ordering Information

Part Numbers	Description
HE800FOX100	SmartStack Fiber Optic Expansion Module (pair 2m fiber optic cables included)
HE800FOX104	Fiber Optic Expansion Base
HE800FOX404	Fiber Optic Expansion Base/Hub
HE800CBF000	0.5m Fiber Optic Cable Pair
HE800CBF001	1.0m Fiber Optic Cable Pair
HE800CBF002	2.0m Fiber Optic Cable Pair
HE800CBF005	5.0m Fiber Optic Cable Pair
HE800CBF010	10.0m Fiber Optic Cable Pair

***Contact your local sales representative for pricing and delivery.***

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