

# ABB Ability™ System 800xA

## The Ethernet I/O Field Kit with xStream Commissioning

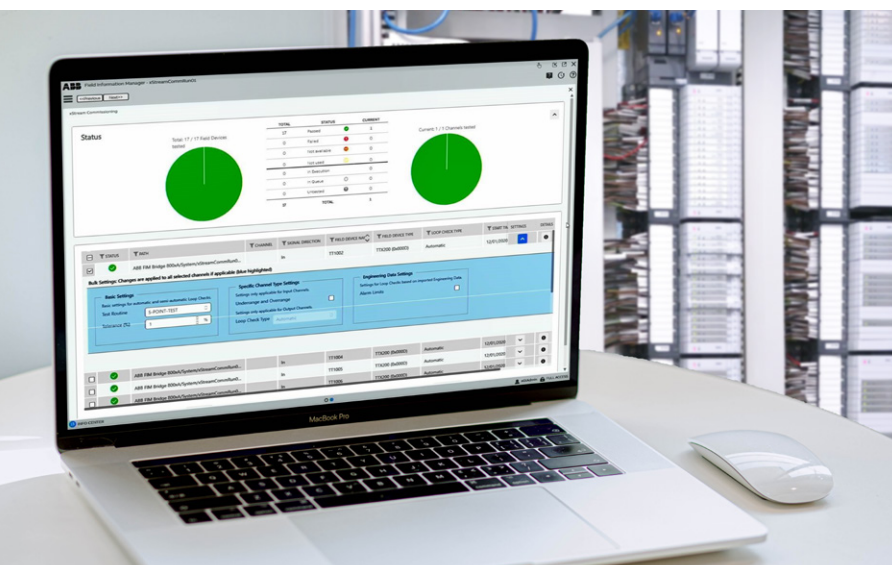


ABB Ability™ System 800xA's Ethernet I/O Field Kit revolutionizes project execution by allowing users to configure and test I/O in the field without control software or process controller hardware.

Select I/O and Ethernet I/O Fieldkit with xStream Commissioning

System 800xA's Ethernet I/O Field Kit is a powerful, flexible and intuitive application that optimizes configuration and commissioning of I/O loops without the need for control application or process controller hardware. Automated loop checks can be performed simultaneously on multiple smart devices, reducing required man-hours by more than 90%.

### Easy to use.

Outfitted with the Ethernet I/O Field Kit software on a laptop or tablet, and with no experience of System 800xA, instrument technicians can now configure and commission smart junction boxes (SJBs) that utilize S800 on Ethernet and Select I/O.

### Adaptable.

The Field Kit runs on a normal laptop or tablet and adapts to various engineering workflows. It can be used for onsite commissioning activities where the I/O is already installed in the field or split-staging arrangements where the I/O cabinets are located in a panel shop or fabrication yard.

### Smart.

The Field Kit's xStream Commissioning (xComm) application guides users through the various steps of the I/O and device configuration, commissioning and startup. In addition, the xComm application can perform automated loop checks and alarm limit verifications on multiple smart device loops simultaneously, greatly reducing required man-hours.

### The Ethernet I/O Field Kit capabilities:

- Individual and bulk parameterization of smart field instrumentation
- Scanning and detection of Select I/O and S800 I/O modules
- Interrogation of newly installed or preconfigured smart instruments
- Comparison of installed I/O hardware, application and smart instrumentation parameters with an I/O signal list for early correction of errors prior to loop checks
- Automatic creation of test applications for loop checks
- Automated, multipoint loop commissioning by individual loop/device or entire smart junction box with live progress reporting
- Loop alarm verification (requires that control application be available)
- Autogenerated and exportable status reporting of loop and alarm commissioning results

1. The Ethernet I/O Field Kit with xStream Commissioning technology supports the xStream Engineering concept and is an integral part of ABB Adaptive Execution™. Adaptive Execution™ is an optimized, end-to-end solution designed to lower costs and increase value for capital projects through consistent, standardized delivery. For more information, go to [solutions.abb.com/adaptive-execution](https://solutions.abb.com/adaptive-execution).

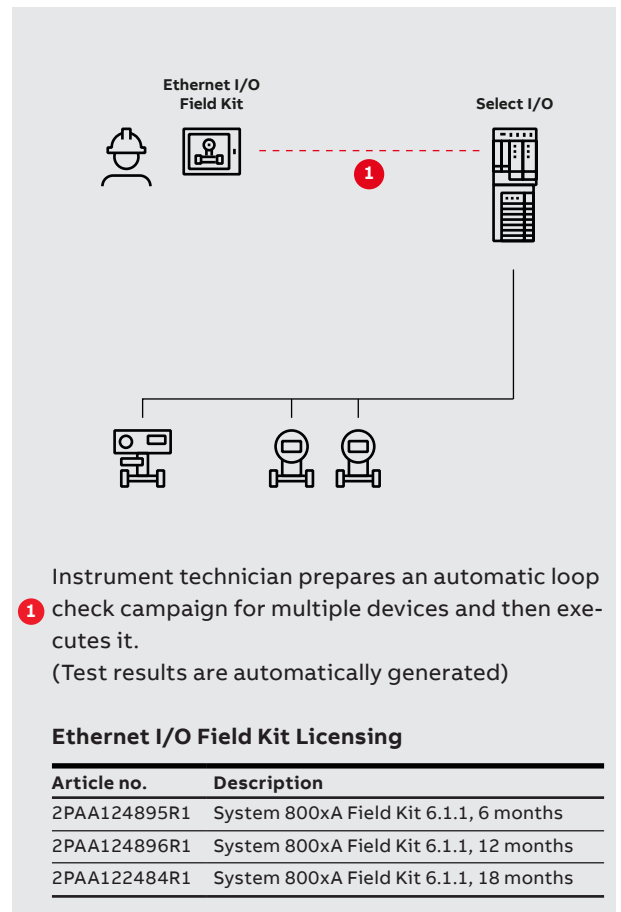
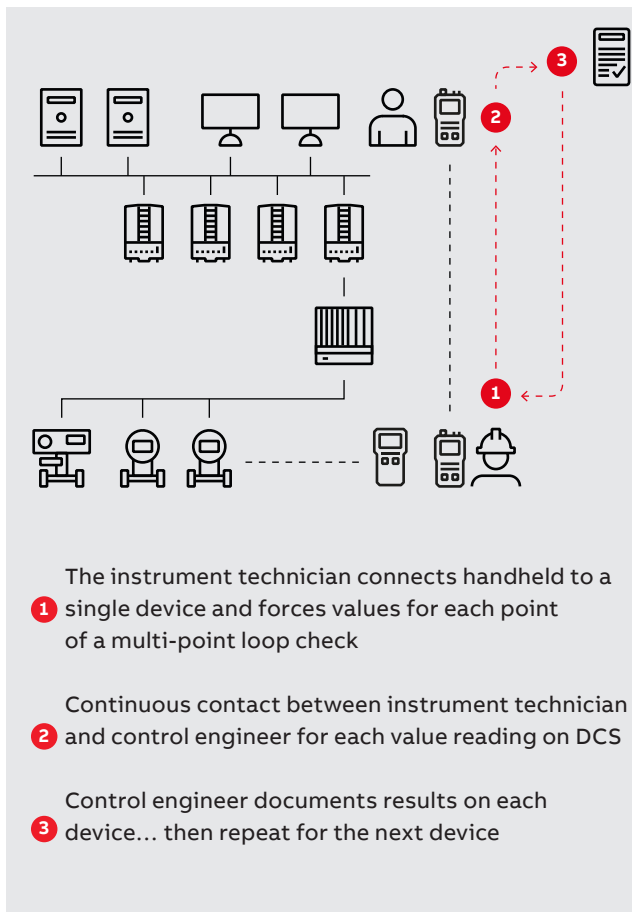
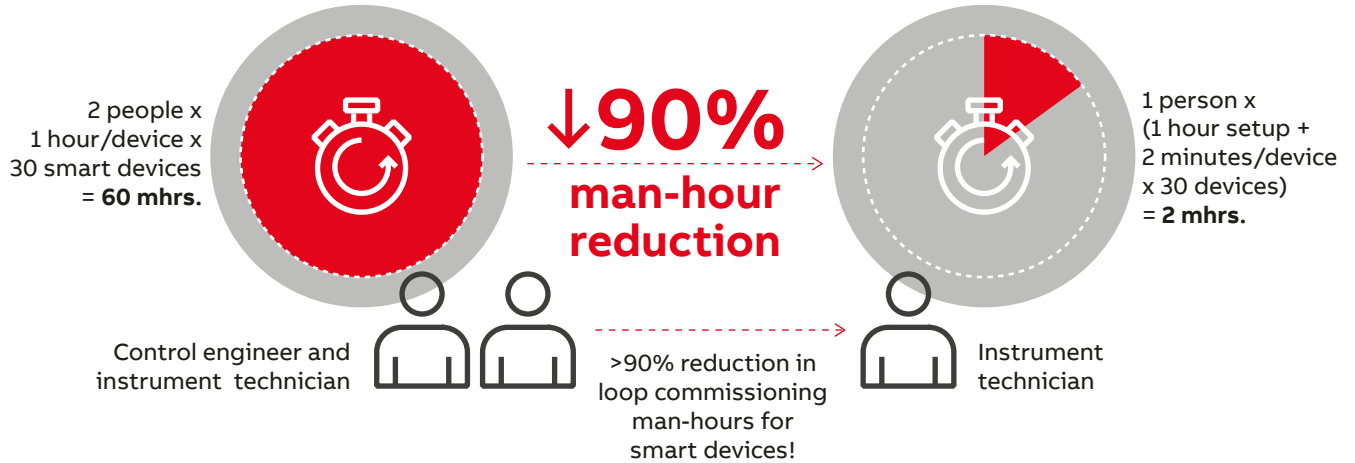
2. Select I/O is a single-channel, Ethernet-based, modular I/O solution perfect for standardized I/O cabinet and smart junction box designs. Select I/O minimizes the impact of late changes, enables decoupling of project tasks, and reduces testing effort while providing a smaller footprint. For more information, go to: [Automation project optimization](#).

# Smart Commissioning with the Ethernet I/O Field Kit

brings “xStream” benefits

**Traditional manual loop checks -  
Smart junction box with 30 devices**

**Automated loop checks -  
System 800xA Ethernet I/O Field Kit and Select I/O**



[solutions.abb/800xA](http://solutions.abb/800xA)  
[800xahardwareselector.com](http://800xahardwareselector.com)

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