



iBOX Overview

The *iBOX* Serial Substation Controller is an economical substation controller combining advanced functionality, multiple communication ports and local I/O in a small footprint that is ideal for retrofit and upgrade projects.

Benefits

- Low unit cost makes it affordable to automate more devices leading to improved management of substation equipment and resources.
- Rugged, compact design fits into existing enclosures without environmental control equipment, or added surge, impulse or EMI protection.
- Comprehensive protocol library gives flexibility to set up a gateway and data concentration for feeder IEDs, such as switches, reclosers, voltage regulators, revenue meters and capacitor bank controllers.
- Compliant with IEC® standards and North American IEEE® impulse and surge standards.

GE Power Systems is offering customers a simple and convenient method to evaluate the *iBOX*™ Serial Substation Controller. This economical substation controller combines advanced functionality, multiple communication ports and local I/O in a small footprint that is ideal for retrofit and upgrade projects. By taking advantage of this program customers will receive, at no charge for 45 days, selection of any listed *iBOX* Model, as well as one of the two options on the next page.

iBOX Models

1. *iBOX* Serial, 8 24V Digital Input and 4 Trip/Close Control Output
2. *iBOX* Serial, 8 48V Digital Input and 4 Trip/Close Control Output
3. *iBOX* Serial, 8 125V Digital Input and 4 Trip/Close Control Output
4. *iBOX* Serial, 8 24V Digital Input and 2 Trip/Close and 2 Form A Control Output
5. *iBOX* Serial, 8 48V Digital Input and 2 Trip/Close and 2 Form A Control Output
6. *iBOX* Serial, 8 125V Digital Input and 2 Trip/Close and 2 Form A Control Output



GE Power Systems

iBOX™ iEVALUATE PROGRAM

FACT SHEET

Option 1: Standard iBOX

Firmware

- IEC-870-5-101 Slave
- DNP3 Slave
- DNP3 Master
- Modbus® Slave
- Modbus Master
- Calculator (Boolean Logic Engine)
- Communication Watchdog
- Accumulator Freeze
- SOE Logger
- Plant I/O (iBOX physical I/O collection)
- LogicLinx® Executor (Powerful PLC Type Logic)*

Software Application

- ConfigPro
- LogicLinx Editor Evaluation

* A separate license fee is charged for the Windows®-based LogicLinx Editor required to program the logic In LogicLinx.

Option 2: Monitoring & Diagnostics Gateway iBOX

Firmware

- IEC-870-5-101 Slave
- DNP3 Slave
- Harley LTC-MAP™ Master
- Syprotec Hydran Master
- Modbus Slave
- Modbus Master
- Calculator (Boolean Logic Engine)
- Communication Watchdog
- Accumulator Freeze
- SOE Logger
- Plant I/O (iBOX™ physical I/O collection)
- LogicLinx Executor (Powerful PLC Type Logic)*

Software Application

- ConfigPro
- LogicLinx Editor Evaluation

* A separate license fee is charged for the Windows-based LogicLinx Editor required to program the logic In LogicLinx.

Value Proposition

- Full featured protocol converter
- Mini-data concentrator
- Breaker control and monitoring for small Distribution Automation substations
- Isolation switch controller
- Interface to Hydran and LTC-MAP devices for entry level transformer monitoring
- Interface to distribution feeder fault indicators
- Automation platform using standards-based, PLC programming languages
- SCADA interface for pole-top reclosers and sectionalizing switches

iBOX iEVALUATE Package

To enable users to quickly set up tests in their labs or office; we have created the optional iBOX iEVALUATE Package. In addition to your selection of either the Standard iBox or the M&D Gateway iBOX, you will receive:

- Power supply to plug directly into a standard North American plug
- Null modem cable
- WESMAINT cable for communications from the iBOX to your PC



Contact Us

To learn more about the program and how it can benefit you specifically, please contact your GE sales representative or call us directly in Calgary at **403-214-4400**, or via e-mail at **automation.solutions@ps.ge.com**, or you can visit our web site at **www.gepower.com/substationautomation**.



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