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## 2.6.2 Node Unit of FFCS

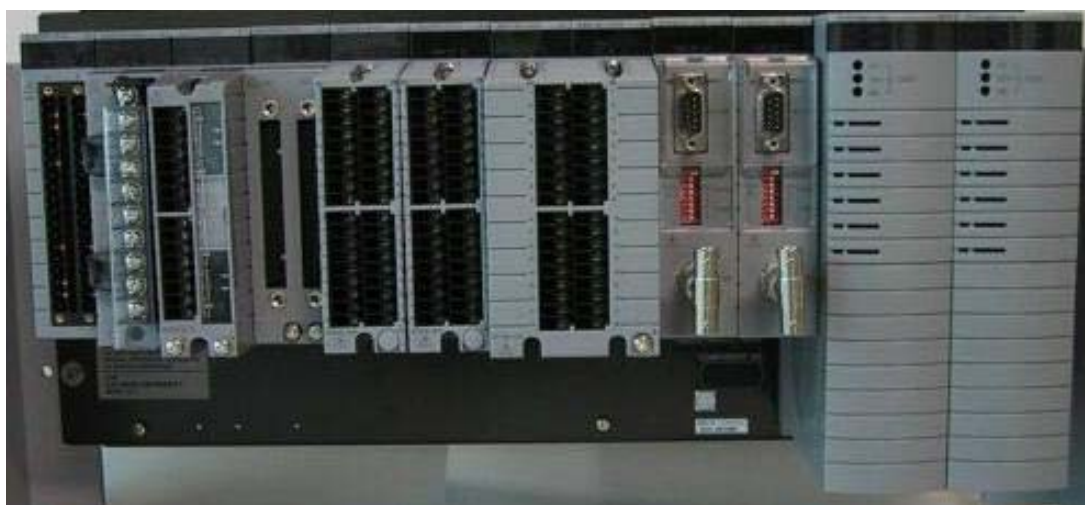


Figure: Node Unit of FFCS-AFF50D

### Node Unit

The node units (NU) for FIO are signal processing units which convert and transmit analog or digital process I/O signals received from the field devices to the FCU for FIO.

The node units (NU) for FIO have **ESB bus node units** for local nodes installed at the FCS station and **ER bus node units** for remote nodes installed in cabinets on the plant site.

### ESB Slave Interface Module

This module is installed in the local node to enable communication with the FCU. The module can be duplexed.

### ER Bus Interface Module

This module has an interface master module, which is installed in the local node and an interface slave module which is installed in the remote node. Both modules can be dual redundant.

### I/O Module

These modules receive input signals, convert them to appropriate signals required for the CPU and generate output analog and digital field signals.

### 2.6.3 Hardware Configuration –Local Nodes

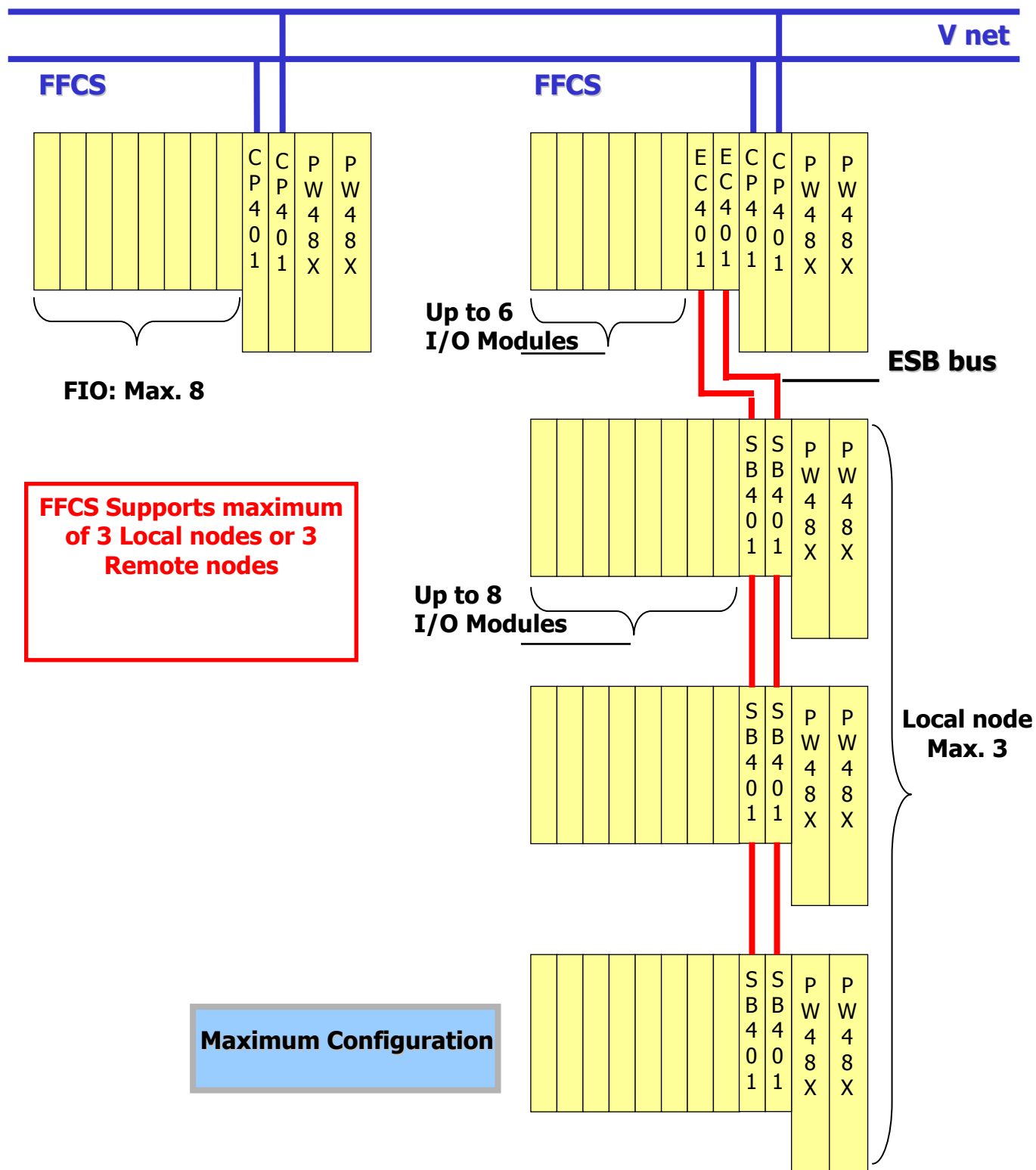


Figure: Hardware Configuration of FFCS-AFF50D