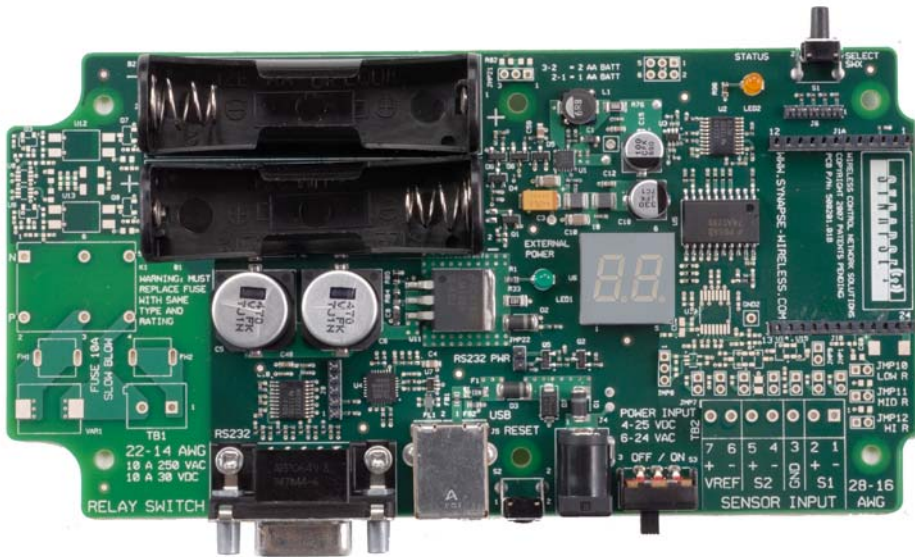


## Synapse Coordinator (CO) Device



- ✓ 2.4 GHz 802.15.4 / ZigBee® Platform
- ✓ For SNAP, Full ZigBee or Custom Network Applications
- ✓ RS-232 and USB 2.0 Ports
- ✓ Power Amplifiers and External Antenna
- ✓ Up to 3 Mile Range

The Synapse Coordinator™ connects to the Synapse Portal® (network administration) software running on a PC via a standard USB 2.0 connector or RS232. It forms the starting point of the SNAP™ (Synapse Network Appliance Protocol™) network. The Synapse Coordinator supports either wall transformer power (included) or can run using 2 AA batteries (not included).

The Synapse Coordinator can handle over 65,000 Synapse End Devices and is capable of standalone (non-PC connected) operation.

SNAP-based networks are self-forming so when you power-up a SNAP-based device, it is automatically recognized by the Synapse Coordinator and incorporated into the network without any user intervention. The network can be then be configured using Synapse Portal® Network Administration Software.

**Product Features:**

| Feature                   | Description  |
|---------------------------|--|
| <b>RS-232 Port</b>        | Full RS-232 support with HW flow control (RTS/CTS)   |
| <b>USB Port</b>           | USB Specification 2.0 Compliant, Virtual Com Port  |
| <b>Display</b>            | 2 Digit seven-segment Red LED  |
| <b>Input Power</b>        | 4 - 25 VDC wall transformer<br>USB 5V<br>2 - AA batteries  |
| <b>Select Button</b>      | User function definable  |
| <b>Status LED</b>         | User function definable (Yellow)   |
| <b>External Power LED</b> | On when external power from wall transformer or USB is supplied (Green)  |
| <b>Reset</b>              | Resets all functions   |
| <b>Voltage Sense</b>      | Intelligent SW control based on input power source<br>Low battery indication, power savings if battery powered |
| <b>External Antenna</b>   | Provides 5 dBi gain on receive and transmit  |
| <b>Power Amplifier</b>    | 18 dBm gain power amp for transmit   |
| <b>Receive Amplifier</b>  | 11 dBm gain receive amplifier  |

**Part Selection:**

| Part No.   | Antenna  | Flash Memory | ZigBee Mode |
|------------|----------|--------------|-------------|
| CO113F5-D6 | External | 60 KB        | Coordinator |

All specifications are subject to change without notice. All Synapse products are patent pending.

