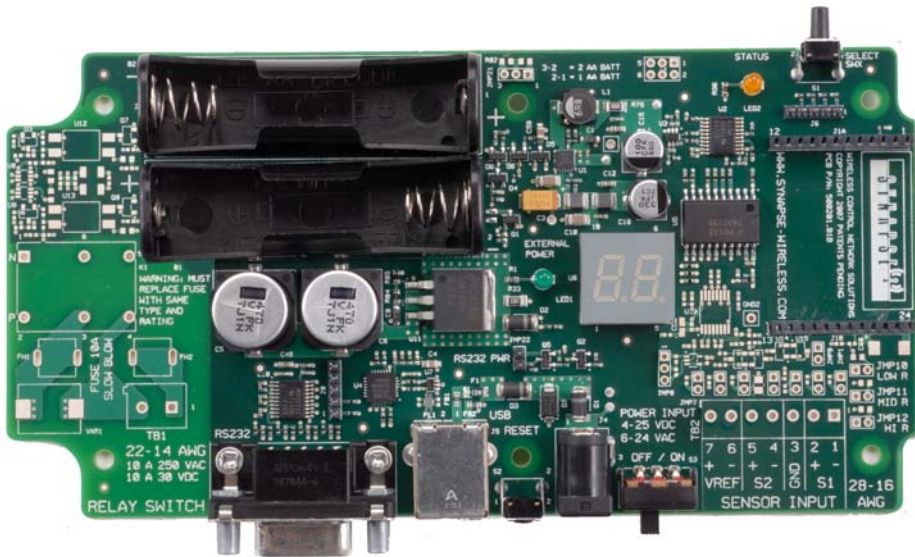


## Synapse Coordinator (CO) Device



- ✓ 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 USB 5V 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 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.

