

FCC ID:Z97-STB01

STOCKBOX™ operational description



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The STOCKBOX™ is a system for automating reordering operations in healthcare, manufacturing and other environments. By pre-encoding stock-cards carrying 13.56MHz RFID transponders (ISO-15693) and placing them in bins at the reordering level, users can perform a reorder operation by simply placing the card into the StockBox. The StockBox is designed to identify the cards inserted through its slot, and send the data to a remote server.

The StockBox supports replenishment monitoring performed by authorized personnel, by scanning their employee badge and the individual cards, before they are placed back into the bin.

The StockBox includes an RFID module at operating frequency of 13.56MHz, 0.2W maximum transmitting power. It has 4 LED as a display and 1 pushbutton.



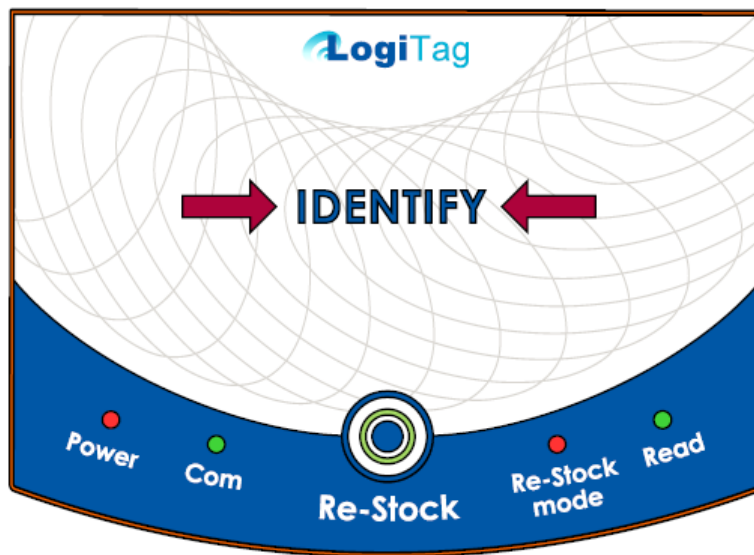
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The system has 4 interface connectors:



- RJ45 adaptor for Ethernet connection
- D-type 9 pin female connector for RS232 connection
- power supply: plug connector size of 5.5*2.1mm
- SMA female connector for optional GPRS module antenna

LED Display and Button:



Led indicators:

- **Power** – LED is on when StockBox is connected to power.
- **Com** – LED is on when Ethernet interface is connected.
- **Re-stock button and LED** – Pressing the **Re-Stock** button will put the StockBox into "Restocking mode" for 1 continuous minute, during which the "Re-Stock Mode" LED will be ON.
- **Read** – LED is on whenever the system identifies a transponder either at standard or re-stock mode.

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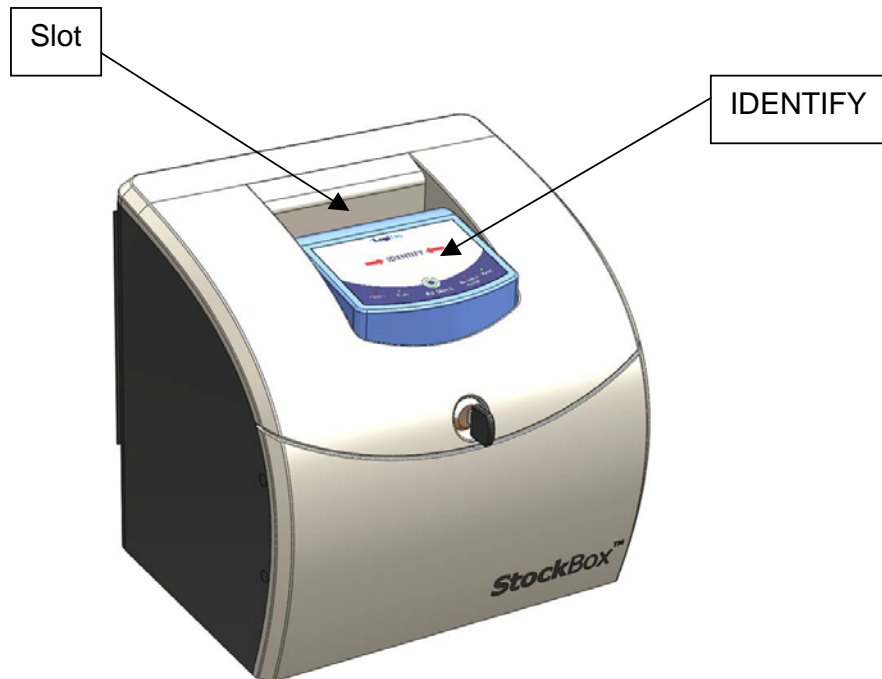
To operate the system:

1. Connect power supply to the power plug and see that the Power LED is ON.
2. Connect LAN or RS232 port to the host computer (section 2.3 and 2.4).
3. Run the StockBox software at the host computer
4. Insert transponders to the slot and see that the "Read" LED is ON



5. Monitor on the host computer's screen the identified transponders
6. Insert only one transponder at a time.
7. To perform Re-Stock operation:
 - a. Open the StockBox lock and remove all the transponders.
 - b. Press the Re-stock button,
 - c. Put your badge on the "IDENTIFY" area on the StockBox and see that the "Read" LED turns ON.
 - d. Put the cards taken out of the StockBox on the "Identify" area one after another. Wait 3 seconds between each transponder. Each time the Read Led should be on.

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