

Chapter 11

RFID – Radio Frequency Identification

Lab 11-1 Low Frequency RFID Technology

Objectives

- Students are intended to provide comprehensive hands-on experience with Low-Frequency RFID technology.
- After completing this lab, you will be able to:

- Install and configure a LF RFID reader and data antenna (if required)
- Experiment with various software types of LF RFID tags (passive/active)
- Demonstrate various integrated applications of LF RFID technology

Materials Required

- One computer having Windows 7 and configured with an Internet Explorer 9.0.8.10.0
- One Philips LF 125A LF-125A kit with demonstration software
- One commercial LF 125A tag
- A collection of cards for experimentation

Estimated completion time:

30 minutes

Procedure

1. For convenience the Philips LF 125A reader will
2. Check the Program Files\Philips\Program Files folder to determine if a file is present for the purpose of a demonstration "Philips". If the folder is absent a short, yet not sharp beep will follow.
3. If the Philips folder is not present, you will need to download/install the software from the following URL: http://www.philips.com/usa/rdm/rdm_products/rdm_products.php
4. After installing the software, a screen for Philips LF 125A reader using the USB reader provided for the demo installation will appear the screen.
5. Next the demo application for double-clicking either "LF125A-Reader" file under Program Files\Philips\Program Files folder.

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