

Contactless Payment Expansion Module for the e^N-Touch 1000

Installation Guide



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1 Overview

This document describes how to install the Contactless Payment Expansion Module on the e^N-Touch 1000 terminal.

The Expansion Module is based on RFID technology and enables the terminal to read contact-less smartcards.

The e^N-Touch 1000 is available in 2 models, Tyco/Loki and Thor that have different plastic feet. See Figure 1.



Figure 1: Terminal Foot area for Thor and Tyco/Loki models

This installation guide applies to both models.

2 Installation Components

The Expansion Module package contains all the components required for upgrading either of the two e^N-Touch 1000 models. The kit

includes the following: Card Reader Unit, Cable, Tyco/Loki Foot, Thor Foot, Wedge, Double sided tape and Plastic bag with one mounting screw and two self-adhesive rubber bumps

Only the Expansion Module Foot for your terminal model is required!

3 Installation Procedure



- Only upgrade terminals that are in working order.
 - This procedure requires a Philips screw driver.
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3.1 Preparing the Terminal for the Installation

1. Disconnect the terminal from power.
2. Place the terminal on a flat surface with the bottom side facing up.
3. Remove the existing Foot from the terminal. Note different procedure for the two models:
 - Thor model only: Using a screwdriver remove the two mounting screws and detach the Foot. Retain the screws for the Expansion Module installation.
 - Tyco/Loki model only: Pinch the middle of the Foot to release the locking clip and then remove the Foot. See Figure 2.



Figure 2: Removing the existing Tyco/Loki Foot

4. Disconnect any installed cables from the terminal.

3.2 Expansion Module Installation Steps

Step 1: Assemble the cable assembly into the Foot required for your installation as shown in Figure 3. Ensure that the cable is positioned in the cable retention feature of the Foot. Note that the cable is routed differently according to the model you have: for the Tyco/Loki model place the Minidin 9 cable under the RJ cable.

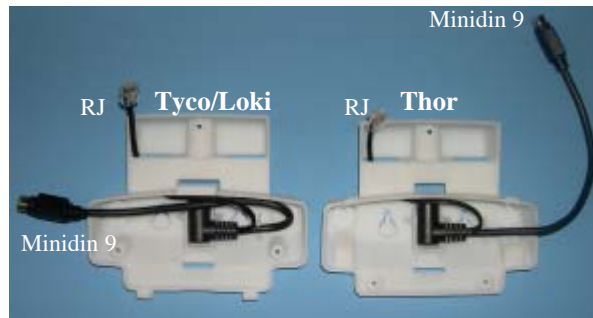


Figure 3: Cable/Foot assembly

Step 2: Insert the RJ connector from the assembled Cable/Foot into the Reader Unit jack, as shown in Figure 4.

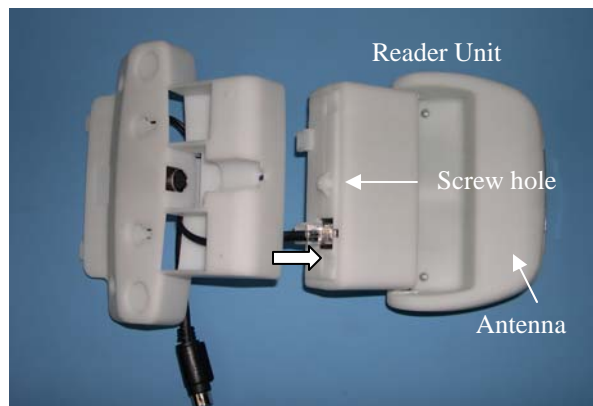


Figure 4: Connect RJ cable to the Reader Unit

Step 3: Attach the Reader Unit to the Foot by using the two foot mounting tabs and the mounting screw. See Figure 5



Figure 5: Foot/Reader Unit assembly

Step 4A-Tyco/Loki model only: Attach the Foot/Reader Unit assembly to the terminal by connecting first the Minidin 9 connector to the terminal jack, then placing the two bottom mounting tabs of the Foot into the terminal recesses and finally by squeezing in the top mounting tab of the Foot into matching locating hole of the terminal.

Foot mounting screws are NOT required. See Figure 6.

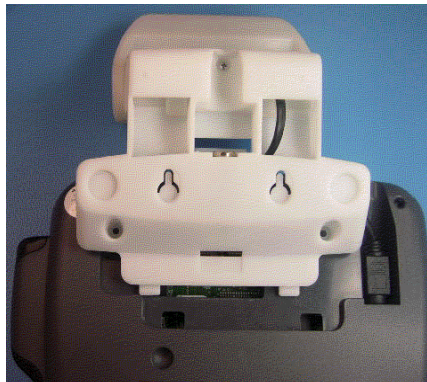


Figure 6: Attach Tyco/Loki Expansion Module to the terminal

Step 4B-Thor model only: Same procedure as for Tyco/Loki model except the different position of the Foot mounting tabs, Foot mounting screws and of the Minidin 9 terminal jack. **Foot mounting screws need to be applied.** Use the screws removed from the terminal Foot. See Figure 7.

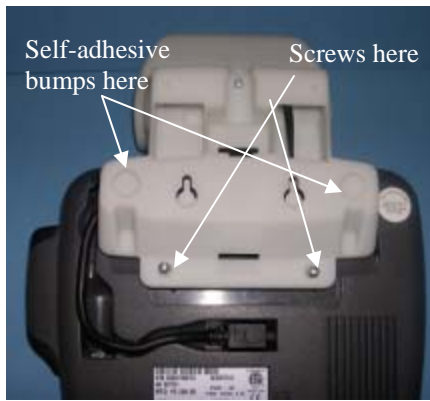


Figure 7: Attach the Thor Expansion Module to the terminal

Step 5: Apply the two self-adhesive rubber bumps to the Module Foot as shown in Figure 7.

The orientation angle of the Card Reader antenna can be adjusted through 3 discrete positions.

The optional Antenna Positioning Wedge included in the kit can be used to fix the antenna semi-permanently in Position 1 or Position 2. Position 3 does not require the wedge.

If the installation of the Antenna Positioning Wedge is required follow Step 6 and Step 7.

Step 6: Place the double sided tape for the required wedge position as indicated in Figure 8.

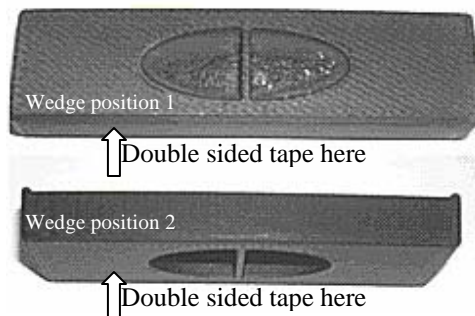


Figure 12: Application of double sided tape

Step 7: Install the Wedge as follows:

- Fully insert the Wedge for the desired position in the recess at the back of the Antenna as shown in Figure 9.
- Ensure the Wedge is located and attached properly to the top of the Reader surface through the use of the included double sided tape.
- Check the Wedge is locked in the Antenna recess by pushing the Antenna against the Wedge as shown by the arrows. If movement, reposition.

Figure 9. Figure 10 shows the results of the Wedge installation.

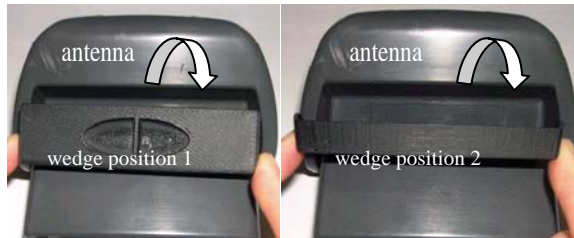


Figure 9: Wedge installation



Figure 10: Wedge installed

4 Testing the Installation



- 1- Ensure that an application to test contact-less smartcards is loaded in the terminal.
 - 2- A compatible contact-less smartcard is required.
-



Figure 17: Reading a contact-less smartcard

- Place the contact-less smartcard near the Card Reader.
- Confirm the successful reading of the contact-less smartcard.

5 Product Certification



This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference
- (2) this device must accept any interference received, including interference that may cause undesired operation

This equipment has been tested and found to comply with the limits for a Class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult Ingenico Support for help



Changes or modifications not expressly approved by manufacturer
could void the user's authority to operate the equipment
