

ACCREDITED SOLUTION

EXPLORER™500 - Elite 5100 Swing



Document Name: EXPLORER™500 – Elite 5100 Swing

Revision: RevE

Introduction: This document describes the test of the Credit Card Payments systems from LD Betalingssystemer A/S and how it works with the EXPLORER™500 terminals.

Typical Applications:

- ▶ Concerts
- ▶ Open/indoor markets
- ▶ Stores at remote locations
- ▶ Portable payments system
- ▶ Hotels and resorts in remote areas

Product Description: Elite 5100 Swing is a new smart Credit Card terminal for use with Chip card and PIN-code.

With the Elite 5100 Swing terminal you can enter both the amount and the PIN-code on the same terminal. The cashier enters the amount and "swings" the terminal around to the customer who inserts his Chip card and enters the PIN-code.

The Elite 5100 Swing uses less space than a two terminal solution. And even more important Elite 5100 Swing solves the problem with long transaction times with Chip cards.

The Danish Credit Card Validation entity PBS (Payment Business Services) has measured the total transaction time to 7.7 seconds including reading of the Chip card and PIN- code with an ADSL connection to the Internet and validation server.

Functionalities:

- ▶ Can read both chip and magnetic stripe
- ▶ Can use both PIN-code and signature
- ▶ Room for big paper roll - 30 meter
- ▶ Background lit buttons
- ▶ Quick and silent printer - 12 lines per second

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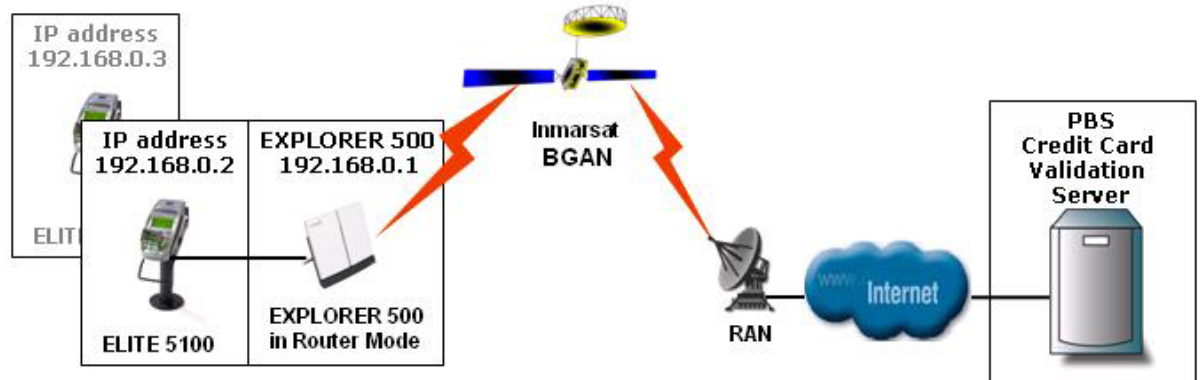
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Tested on product: TT-3710A EXPLORER™500 Software version: 1.02

LDB's Product: Elite 5100 Swing Software version: N/A

Instructions: The Elite 5100 Swing was preconfigured by LD Betalingssystemer A/S with the details of the PBS system.

The EXPLORER™500 was configured with factory default settings i.e.: Router mode and DHCP enabled. See below system overview:



The Elite 5100 Swing credit card terminal was connected to the EXPLORER™500 via Ethernet cable. The system was tested against the Danish Credit Card Validation entity PBS (Payment Business Services) and showed that the Credit Card transactions were successful completed using Chip and Pin Code validation. The transactions were confirmed in an average time of 8-9 seconds from the customer had entered his pin code and pressed OK.

The Elite 5100 Swing terminal transmits approx 1500 bytes per transaction so it is a very cost effective solution with regards to the satellite airtime usage.

The built-in DHCP server of the EXPLORER™500 supports distribution of up to 64 IP addresses. That means that one EXPLORER™500 can be connected with several Elite 5100 Swing terminals using a switch or a hub.

Comment: This accredited solution shows that it is most likely that any credit card payment system will work well with the EXPLORER™500 as it is generally very few bytes that are transmitted in each credit card transaction. Other similar small data burst applications could be mobile banking, pension payment etc.

Kind regards,
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Tested: 1st of March 2006 by Henrik Møller

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