

# Hardware & Software

## Local User Rights

NaviPartner **must** have local Administrator rights to install the software for the solution.

## Network

### Backup Solution

Solution 1:

A router with integrated 4G fallback, so when the cabled Internet connection goes down it automatically switch over to 4G.

Solution 2:

A backup Internet connection, so when the primary Internet connection goes down it automatically switch over to the backup Internet connection.

### BC/NAV

The RoleTailored Client (RTC) is latency sensitive.

The lower the latency the better between the RTC Client and the BC/NAV NST server.

Under 30ms between the RTC Client and the BC/NAV Web server is best, the lower the better.

The Web Client is not as latency sensitive as the RTC Client.

Under 100ms between the Web Client and the BC/NAV Web server is best, the lower the better.

### Hardware

|                                     |               |                                     |
|-------------------------------------|---------------|-------------------------------------|
| Label Print (Zebra)                 | LAN IP: Fixed | Port(s): TCP: 9100 (LAN - Outbound) |
| Payment Terminal (Adyen)            | LAN IP: DHCP  | Port(s): TCP: 443 (WAN)             |
| Payment Terminal (Nets - PSAM)      | LAN IP: Fixed | Port(s): TCP: 1234 (LAN - Outbound) |
| Payment Terminal (Verifone Denmark) | LAN IP: DHCP  | Port(s): TCP: 9600 (LAN - Inbound)  |
| Receipt Print (Epson)               | LAN IP: Fixed | Port(s): TCP: 9100 (LAN - Outbound) |

### Internet speed

|                           |                  |
|---------------------------|------------------|
| 1-5 simultaneous users    | Minimum 10/2Mbit |
| 6-9 simultaneous users    | Minimum 15/2Mbit |
| 10-14 simultaneous users  | Minimum 20/2Mbit |
| 15+ simultaneous users    | Minimum 20/2Mbit |
| Mobile Broadband per user | Minimum 2/2Mbit  |

### Software

|                   |                         |                                      |
|-------------------|-------------------------|--------------------------------------|
| Baxi (Viking)     | WAN IP: 91.102.24.142   | Port(s): TCP: 9670/9680              |
|                   | WAN IP: 212.226.157.243 | Port(s): TCP: 6001                   |
| BC/NAV RTC Client | WAN IP: ALL             | Port(s): TCP: Different Per Customer |
| BC/NAV SOAP       | WAN IP: ALL             | Port(s): TCP: Different Per Customer |
| BC/NAV ODATA      | WAN IP: ALL             | Port(s): TCP: Different Per Customer |

|                    |                           |                                     |
|--------------------|---------------------------|-------------------------------------|
| FlexITerm          | WAN IP: 193.142.211.21/22 | Port(s): TCP: 19000                 |
| ISL Light Client   | WAN IP: 94.127.52.125     | Port(s): TCP: 80/443/7615           |
| NP Deploy          | WAN IP: ALL               | Port(s): TCP: 7087                  |
| NP Helper          | WAN IP: 94.127.52.122     | Port(s): TCP: 49000                 |
| NP System Callback | WAN IP: ALL               | Port(s): TCP: 7047                  |
| Remote Desktop     | WAN IP: 81.27.209.0/24    | Port(s): TCP: 3389                  |
| TeamViewer         | WAN IP: ALL               | Port(s): TCP: 80/433/5938 UDP: 5938 |

### **Type of Connection**

Stationary PCs must be connected with a LAN cable.

A stationary POS can use up to 7 x network ports.

This depends on how much equipment there has to be connected to the individual solution.

Label printer, payment terminal, receipt printer etc.

mPOS devices should be connected through Wi-Fi or 4G.

This depends on the individual solution.

### **Wi-Fi**

LAN & Wi-Fi must be on the same subnet.

NaviPartner recommend that all POS/mPOS equipment running on Wi-Fi gets their own SSID.

## **Operating system**

Microsoft Windows and components are supported by NaviPartner until Microsoft product support stops.

Microsoft Windows 10 Pro (Microsoft Windows 7 support stopped 14 January 2020).

## **Power**

NaviPartner's solution uses up to 6 power outlets with ground per POS.

This depends on how much equipment is to be connected to the individual solution.

## **Repairs**

### **BackOffice/POS PC's**

It is the customer's responsibility to ensure that all local data is backed up (documents, photos, e-mails, etc.).

This is especially important in the event of a repair where all data is often deleted.

NaviPartner does not help with installation of any third party software that the customer has installed.

## **Supported hardware**

### **Barcode Scanners**

Zebra CS4070 (bluetooth scanner)

Zebra DS457 (self service scanner)

Zebra DS4608 (cable)

Zebra DS8178 (wireless)

Zebra DS9308 (table scanner)

## Cash Drawers

All Models With A RJ11 Connection Cable

## Credit Card Terminal

Adyen:

All Terminals That Supports Adyen Cloud Integration (Android 4.4 or newer, iOS 11 or newer and Windows 10)

[Complete Terminal List](#)

Nets:

Ingenico Lane 3000

Ingenico Move 3500

Verifone Denmark:

All Terminals That Supports WIM Integration (Windows 10)

## Printers

It is recommended that all printer are configured on LAN.

## Receipt Printers

Epson TM-m30

Epson TM-P20

Epson TM-P80

Epson TM-T20III

Epson TM-T88VI

Boca Lemur-X (self service station)

## Label Printers

Zebra ZD410

Zebra ZD420

## Card Printer

Zebra ZC300

## Ticket Printer

Zebra ZT230

## RFID Hardware

Zebra RFD8500 (RFID scanner)

Impinj xSpan Gateway (RFID readers)

Impinj xArray Gateway (RFID readers)

Samsung Galaxy XCover Pro (Android phone)

Zebra ZD500R (RFID printer)

## **PC**

Recommended hardware:

CPU: Intel i3

RAM: 4GB

SSD: 120GB

Operating system: Windows 10 Pro

## **SmartPhones**

Apple

Software: iOS 11 or newer versions

Hardware: Integrated camera

Android

Software: Android 4.4 or newer versions

Hardware: Integrated camera

## **Tablets**

Android:

Software: Android 4.4 or newer versions

Hardware: Integrated camera

Apple

Software: iOS 11 or newer versions

Hardware: Integrated camera

## **Warehouse Scanners**

Motorola MT2070

Motorola P460