

## Connection Service Provider

---

Document Type	Technical Interface Specification
Version	3.7.14
Date	10.03.2017
Confidentiality	None
By	HRV Development

---

This Document is the property of Verifone Denmark A/S. It is transferred under the conditions of Active Non-Disclosure.

Use of this document is subject to the terms of this NDA (Non Disclosure Agreement).  
This document will be returned under request to Verifone Denmark A/S.

---



# Content

<b>1 Connection Service Provider</b>	<b>3</b>
<b>1.1 Internetbetingelser</b> . . . . .	<b>3</b>
1.1.1 Verifone Denmark's internetbetingelser . . . . .	<b>3</b>
<b>1.2 Verifone Denmarks Internet Requirements</b> . . . . .	<b>5</b>

# 1 | Connection Service Provider

## 1.1 Internetbetingelser

### 1.1.1 Verifone Denmark's internetbetingelser

1. Internettet skal være tilgængeligt f.eks. via en router.
2. Terminalen leveres med Ethernetkort og 3m kabel (dette gælder ikke for Yomani terminaler), hvilket kræver et ledigt RJ45E Ethernet stik i netværket.
3. Terminalen er ikke designet til at køre direkte på internettet. Der skal derfor være en router/firewall mellem internettet og terminalen.
4. Det net, som terminalen kobles til, skal kunne agere som DHCP server, idet terminalen 'spørger' efter netværksadresser, når den starter op.
5. Hvis punkt 4 ikke er mulig, kan terminalen køre med faste IP adresser. Verifone Denmark skal da have oplyst følgende i forbindelse med bestilling af terminalen: Domæne navn, DNS1, DNS2, IP-adresse, Subnet Maske og Default Gateway. Det er til enhver tid kundens ansvar, at disse oplysninger er korrekte.
6. Kommunikation til Nets og Verifone Denmark sker på følgende porte: 13, 5214, 10760, 10960, 19000, 22000 og 24000, hvorfor disse skal være åbne fra terminalen og ud mod internettet plus for DNS-opslag på port 53 (UDP adresse).
7. Der skal åbnes for DNS forespørgsler på domænet point-ts.dk, bec.dk og danskebank.dk, dvs. følgende DNS forespørgsler skal kunne besvares af DNS-serverne. Sekundære opslag understøttes ikke.

pbs1.point-ts.dk port 19000

pbs2.point-ts.dk port 19000

param.point-ts.dk port 24000

time.point-ts.dk port 13

rtl.point-ts.dk port 5214

test.point-ts.dk port 22000

test2.point-ts.dk port 22000

dcc.point-ts.dk port 1003

ekvittering.point-ts.dk port 80

storebox.point-ts.dk port 80

lp.point-ts.dk port 10760

pplp.point-ts.dk port 10960

cbp.point-ts.dk port 9000

tnss.point-ts.dk port 443

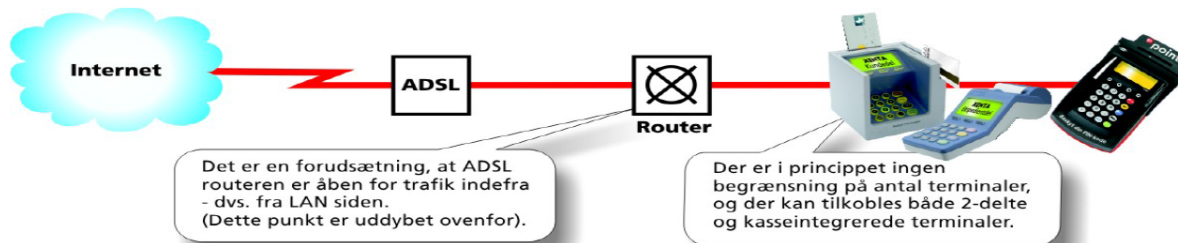
mobilepaypos.danskebank.dk port 443

mobilepaypos2.danskebank.dk port 443

Disse domænenavne og IP-adresser kan blive ændret som følge af ny funktionalitet. Verifone Denmark tager ikke ansvaret for, at eventuelle opdateringer på kundens net gennem-

føres.

- Verifone Denmark anbefaler at lave en host(A) record med de IP-adresser, som terminalen bruger på jeres lokale DNS-server, hvis der findes regler i firewall omkring trafik til Verifone Denmark og Nets.
- Verifone Denmark anbefaler, at terminalen sidder i eget WLAN, således at terminalen beskyttes mod broadcasts og RIP request, da disse pakketyper kan påvirke terminalens svartider.



Gratis program (\*.exe fil) til test af forbindelsen fra kundens net til Verifone Denmark og Nets kan rekvireres fra Verifone Denmark.

**Verifone Denmark påtager sig intet ansvar for kundernes internet installation og/eller stabiliteten af denne, men kan dog anviser en samarbejdspartner, som kan være behjælpelig med installationen.**

## 1.2 Verifone Denmark's Internet Requirements

1. The Internet must be accessible, through a router, for example.
2. The terminal comes with an Ethernet card and a 3m cable (this does not apply for the Yomani terminal), which requires a free RJ45 Ethernet connector to the network.
3. The terminal is not designed to run directly on the Internet. Therefore, there must be a router/firewall between the Internet and the terminal.
4. The network the terminal is connected to must be able to act as a DHCP server, as the terminal "asks" for a network address when it starts up.
5. If item 4 is not possible, the terminal may function with a fixed IP address. Verifone Denmark must be notified of the following when ordering the terminal: Domain name, DNS1, DNS2, IP address, Subnet Mask and Default Gateway. It is your responsibility to ensure this information is correct.
6. Communication to Nets and Verifone Denmark is through the following ports: 13, 5214, 10760, 10960, 19000, 22000 and 24000, which means these must be open from the terminal and onto the Internet, plus DNS lookup on port 53 (UDP address).
7. DNS queries must be opened on the domain point-ts.dk, bec.dk and mobilepay.dk, i.e., the following DNS queries must be answered by the DNS servers: (Secondary lookup is not supported).

pbs1.point-ts.dk port 19000

pbs2.point-ts.dk port 19000

param.point-ts.dk port 24000

time.point-ts.dk port 13

rtl.point-ts.dk port 5214

test.point-ts.dk port 22000

test2.point-ts.dk port 22000

dcc.point-ts.dk port 1003

ekvittering.point-ts.dk port 80

storebox.point-ts.dk port 80

lp.point-ts.dk port 10760

pplp.point-ts.dk port 10960

cbp.point-ts.dk port 9000

tnss.point-ts.dk port 443

mobilepaypos.danskebank.dk port 443

mobilepaypos2.danskebank.dk port 443

These domain names and IP addresses can be changed as a result of new functionality.

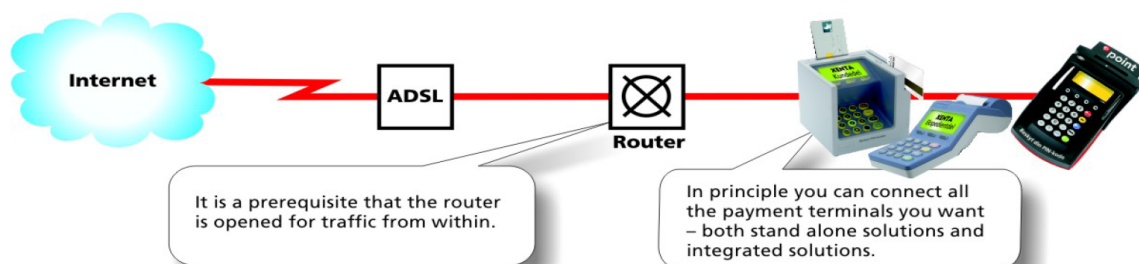
Verifone Denmark accepts no responsibility for any updates implemented in the customer's network.

- Verifone Denmark recommends creating a host(A) record with the IP addresses the terminal uses on your local DNS server, if there are rules in the firewall concerning traffic to Verifone Denmark and Nets.
- Verifone Denmark recommends that the terminal is in its own WLAN, so that the terminal is protected from broadcasts and RIP requests, as these package types may affect the terminal response times.

Verifone Denmark A/S

Kundeservice, Knapholm 7, 2730 Herlev, Tlf.: 44 53 75 00, [kundeservice@verifone.com](mailto:kundeservice@verifone.com), CVR nr. 15 40  
12 81

Se vilkår på [www.verifone.dk](http://www.verifone.dk)



A free program (\*.exe file) to test the connection from the customer's network to Verifone Denmark and Nets can be obtained from Verifone Denmark.

**Verifone Denmark accepts no responsibility for customers Internet installation and/or its stability, but may assign a partner who can help with installation.**