

Connecting a terminal to a broadband Internet

Checklist

Important: Have you ensured that you're ready to install your terminal? Please note the following points from this checklist.

For you to use your payment terminal with a broadband Internet connection (ADSL or TV cable), the following conditions need to be met.

If you have any questions, ask an electrician or network specialist.

1. Ethernet line

Your payment terminal has access to an **Ethernet line (RJ45)** that supports DNS and DHCP and provides free access to the Internet.

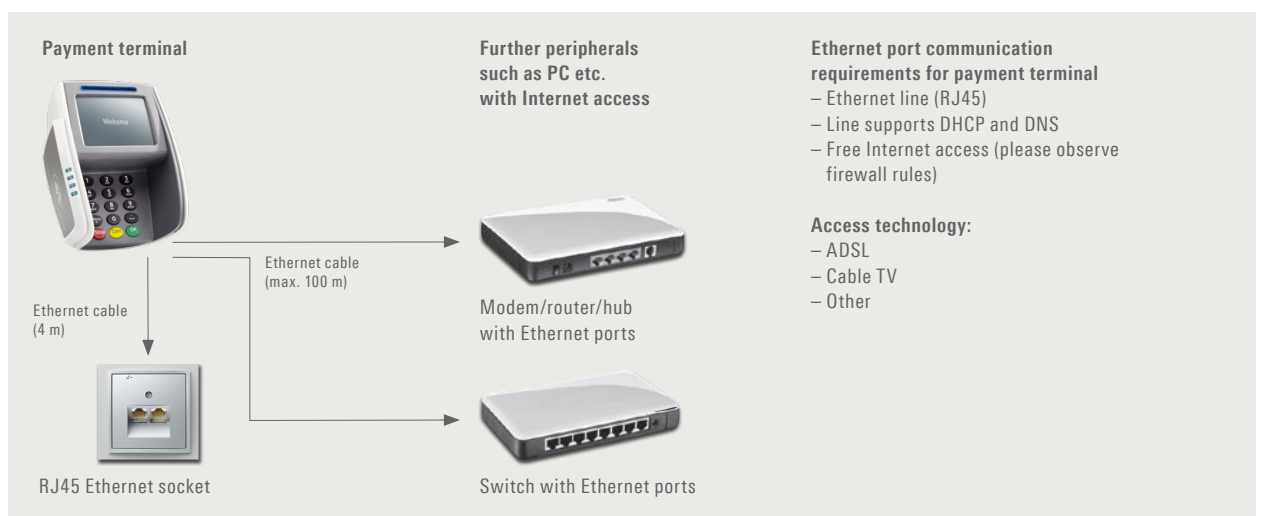
2. Free Internet access

If your existing local network is firewall-protected, **24-hour free Internet access must be ensured for your payment terminal**. The payment terminal automatically sets up the connection and implements service updates during inactive business periods.

3. Free IP address

You have an Internet connection with **only one free IP address**, but want to connect several devices, such as PCs and terminals. You can buy inexpensive components (routers etc.) to expand your Internet connection, enabling you to hook up more than one device.

If you have any questions about broadband connections, please contact your specialists by calling +41 58 399 6751.



? A glossary of terms used can be found overleaf.

The following IP addresses must be allowed to pass if the Internet connection is protected by a local firewall or a firewall set up by your Internet provider!

SIX Payment Services*	IP address: Port	DNS names
Software download	153.46.253.156:8953 HTTP	serv.ep2.telekurs.com
GKLP	153.46.254.217:62000 TCP	gklp.telekurs.com
Configuration	153.46.253.155:8115 TCP	siconfig.ep2.telekurs.com
Initialisation	153.46.253.149:2252 TCP	siinit.ep2.telekurs.com
Authorisation	153.46.253.145:2251 TCP	fe.ep2.telekurs.com
Direct/PMS delivery	153.46.253.151:2254 TCP	misubm.ep2.telekurs.com
Tax Free "Premier Tax Free"	193.120.149.218:51030 HTTPS	pi.fintrax.com
Tax Free "Global Blue"	195.177.228.175:51030 HTTPS	abrantix.globalblue.com

* incl. Diners, JCB, Swisscard/American Express, Migrosbank, GE Moneybank, Jelmoli, Accarda

Additional acquirers	Initialisation	Authorisation	Direct delivery
Aduno	62.2.162.97:3200 ep2p.a-multilink.ch	62.2.162.97:3000 ep2p.a-multilink.ch	62.2.162.97:3100 ep2p.a-multilink.ch
ConCardis	217.73.32.84:41563 ep2.firstdata.de	217.73.32.84:41563 ep2.firstdata.de	217.73.32.84:41563 ep2.firstdata.de
Pharma Card	193.16.220.2:5061 -	193.16.220.2:5062 -	193.16.220.2:5061 -
Postfinance	138.189.254.100:1637 ep2.PostFinance.ch	138.189.254.100:1639 ep2.PostFinance.ch	138.189.254.100:1641 ep2.PostFinance.ch
WIR	91.217.170.53:1607 ep2cp.wir.ch	91.217.170.53:1603 ep2cp.wir.ch	91.217.170.53:1605 ep2cp.wir.ch
Boncard	195.130.218.230:5045 ep2.boncard.net	195.130.218.230:5045 ep2.boncard.net	195.130.218.230:5045 ep2.boncard.net
REKA	185.66.79.195:51006 ep2.reka.ch	185.66.79.195:51007 ep2.reka.ch	185.66.79.195:51008 ep2.reka.ch

The list is not definitive (as of 1st January 2016). The list has been drawn up and checked with great care. Please note that IP address can change at any time.

Telnet-Client

For newer operating systems such as Windows 10, the Telnet Client is deactivated by default; it must be activated or installed manually. To do this for Windows 10, read the instructions at:

Firewall test option:

```
C:\Windows\system32\cmd.exe
C:\>telnet serv.ep2.telekurs.com 8953
```

Test successful:

```
C:\Windows\system32\cmd.exe
C:\>telnet serv.ep2.telekurs.com
```

Test unsuccessful:

```
C:\Windows\system32\cmd.exe
C:\>telnet serv.ep2.telekurs.com 8952
Connecting To serv.ep2.telekurs.com...Could not open connection
to the host, on port 8952: Connect failed
C:\>
```

DNS test option:

```
C:\Windows\system32\cmd.exe
C:\>nslookup serv.ep2.telekurs.com
```

Test successful:

```
C:\Windows\system32\cmd.exe
Non-authoritative answer:
Name: serv.ep2.telekurs.com
Address: 153.46.253.156
```

Test unsuccessful:

```
C:\Windows\system32\cmd.exe
C:\>nslookup serv.ep3.telekurs.com
Server: test01.test.six-group.net
Address: 01.234.567.89
Non-existent domain
```

Glossary

ADSL = Asymmetric digital subscriber line, can process various services on a single connection line.

DNS = Abbreviation for the domain name in IP addresses.

Ethernet = Basic platform for operating TCP/IP (physical definition, plugs, cables, voltage levels, bitrates, and so on).

USB = Universal Serial Bus is a standard that defines the interface between the PC and its peripherals.

TCP/IP = Protocol facilitating the transmission of data.

DHCP = Automatic assignment of an IP address.

Firewall = Software used to protect a network (such as an enterprise network) from hacker attacks.

Telnet-Client = Connects a computer with a remote server.

Your local point of contact can be found at: www.six-payment-services.com/contact

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