





Checklist Test System K: Test terminal on Broadband Internet Line

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

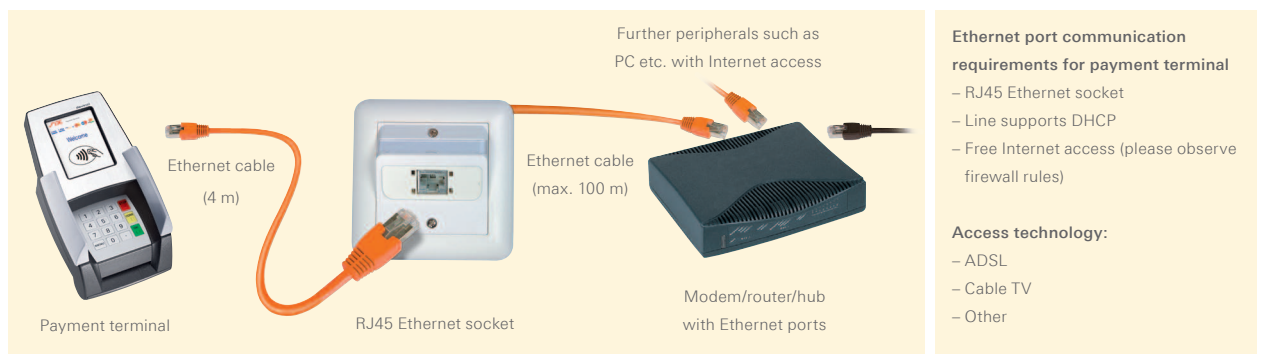
The demand for ever faster transmission rates is what brought broadband technologies such as ADSL and cable TV to the market. If you want to use your

payment terminal on a broadband Internet connection, the following conditions need to be met, whereby these installations demand technical conditions to be in place.

Contact us to obtain our installation guidelines or call in an electrician or network specialist for advice.

1	Your payment terminal has access to an Ethernet RJ45 socket (10BaseT, half-duplex) that supports DNS and DHCP and provides free access to the Internet. Manual DHCP (fixed connection to the MAC address) is not supported.	
2	You use an ADSL modem or router with an Ethernet connection . Internet providers make available a USB or an Ethernet port, depending on the customer's request. Please note: USB is not supported.	
3	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.	
4	If your existing local network is firewall-protected, free Internet access must be ensure for your payment terminal . The payment terminal sets up the connection automatically.	

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



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	153.46.253.140:8953 HTTP	tserv.ep2.telekurs.com
GKLP	153.46.254.218:62000 HTTP	tgkpl.telekurs.com
Configuration	153.46.253.139:8115 TCP	tsiconfig.ep2.telekurs.com
Initialisation	153.46.253.133:2262 TCP	tsiinit.ep2.telekurs.com
Authorisation	153.46.253.129:2261 TCP	tfe.ep2.telekurs.com
Direct delivery	153.46.253.135:2264 TCP	tmisubm.ep2.telekurs.com
PMS delivery	153.46.253.135:2264 TCP	tmisubm.ep2.telekurs.com

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

CASH

Initialisation	153.46.253.142:2289	kfe.cash.telekurs.com
Delivery	153.46.253.142:2289	kfe.cash.telekurs.com

Additional acquirers	Initialisation	Authorisation	Direct delivery
Aduno	62.2.162.98:3200 ep2t.a-multilink.ch:3200	62.2.162.98:3000 ep2t.a-multilink.ch:3000	62.2.162.98:3100 ep2t.a-multilink.ch:3100
ConCardis	217.73.32.88:35146	217.73.32.88:35146	217.73.32.88:35146
Pharma Card	193.16.220.2:5051 –	ep2-gateway.ovan.ch:5051 –	ep2-gateway.ovan.ch:5051 –
Postfinance (incl. REKA)	138.189.254.102:1637 ep2integration.PostFinance.ch: 1637	138.189.254.102:1639 ep2integration.PostFinance.ch: 1639	138.189.254.102:1641 ep2integration.PostFinance.ch: 1641
WIR	62.2.162.113:1701 wir-t.a-multilink.ch:1701	62.2.162.113:1701 wir-t.a-multilink.ch:1701	62.2.162.113:1701 wir-t.a-multilink.ch:1701

The list is not definitive (as of 1 June, 2012). The list has been drawn up and checked with great care. However, it is the nature of IP addresses that they can change. SIX Payment Services accepts no responsibility for any mistakes or modified addresses.

To test:

```
C:\WINDOWS\system32\cmd.exe
C:\>telnet 153.46.253.140 8953
```

Glossary

ADSL = Asynchron Digital Subscriber Line. This uses a different frequency band to analogue telephony or ISDN, which makes it possible to access several services via a single 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.

Your personal contact: www.six-payment-services.com/contact

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