



## WinTelex32 TCP/IP

### Real-time Telex via Internet

- WinTelex32: the modern solution for all telex needs.
- WinTelex32 enables secure connection to the telex exchange over the public Internet.
- Your normal telex number stays the same.
- Real-time telex (messages are not stored on the Internet).
- WinTelex32 replaces the conventional telex machine and so there is no need for outdated customer equipment.

#### Areas of application

The telex interface package WinTelex32 brings added functionality to PC users by allowing them to send and receive telex messages directly from their PC.

For larger applications, WinTelex32 installed on a server acts as a gateway to the telex network in your IP structure. The connected workstations can receive incoming telex messages or send messages directly from the workstation.

#### Features

The connection over the Internet is authenticated as well as encrypted using a standard X.509 certificate and the Secure Socket Layer (SSL) protocol. The encryption (128 bits) is the same as that used for electronic banking and e-commerce. The telex number and "answerback" are contained in the certificate and cannot be tampered with. WinTelex32 operates using the same (dialogue and automatic) modes as a conventional telex machine. WinTelex32 is easy to use and is supported by online help. By clicking on the icons, the user receives a description of the individual functions. WinTelex32 uses its own text editor and comes with telex-specific features such as conversion to the telegraph alphabet (ITA no. 2), a maximum of 69 characters per line and insertion of telex numbers from a directory, etc. Up to 10 instances of the editor can be opened at any one time. WinTelex32 has its own file manager with folders where all incoming and outgoing telex messages are registered and managed. WinTelex32 has acoustic and visual alarms to alert users to the arrival of incoming messages.

#### INSTORE option

In order to receive telex messages in real-time, WinTelex32 must be running on the computer and it must be connected to the Internet, normally as a permanent IP-address. If not, the other party will receive the ABS (absent) telex service signal.

An alternative means of telex reception is available to subscribers using an optional service of the telex exchange, called INSTORE, which is able to receive the telex on the subscriber's behalf. The answerback delivered to the calling party will be that of the subscriber, adapted in accordance with ITU Recommendation F.74 (Operational Provisions relating to Mailbox Devices connected to the Telex Network).

Stored telex messages will be delivered to the subscriber automatically (if he has a permanent IP connection) or when he connects to Internet and starts WinTelex32 (dial-up IP connection).

Uncollected messages will be kept for a user-specified period in the telex exchange. After that period, they will be printed at the exchange or sent by alternative means (e.g. fax).

The INSTORE facility is especially useful for installations where security restrictions do not allow for opening of firewalls, or for installations on dial-up Internet connection.



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### Facts & Figures

<b>Line interface</b>	
Connection	Permanent or dial-up Internet connection
Protocol	Internet TCP/IP: connection through SSL (Secure Socket Layer)
Incoming/outgoing IP port	59 000 (must be opened on firewalls in order to receive telex in real-time )
Authentication	With X.509 certificates (512-bits keys)
Encryption	Communication through the Internet are encrypted with 128-bit key strength
Certification authority	Swisscom Fixnet SA/Telex Services
Transmission speed	50 baud
Code	ITA No. 2
Internet/Telex-Gateways	Minimum two gateways available
<b>Storage</b>	
Reception storage/transmission storage	WinTelex32 application must be running in order to receive telexes. When application is running, the storage limit is the free space on the PC hard disk
<b>Printer Interface</b>	
	Printing via local or network printer (incoming or outgoing telex)
System interface	Can be configured by administrators only
User interface	Any printer available to the user
<b>PC system requirements</b>	
<b>Product description</b>	
<ul style="list-style-type: none"><li>• Connection to the Internet (permanent or dial-up)</li><li>• Machine reachable from the Internet (direct or through a firewall and/or NAT, no proxy possible)</li><li>• Any version of MS-Windows from Windows 98 and above</li></ul>	<ul style="list-style-type: none"><li>• Software WinTelex32 (Windows) on CD-ROM</li><li>• Configuration disk (configuration data and certificate)</li><li>• Installation manual</li><li>• In the case of complex configurations, installation and training can be provided</li><li>• A personal computer is not provided with the product</li></ul>

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