

Neopost Security Datasheet

DS-75i/85i/90i/95i

Purpose of this document

This document is to give details on the connectivity features of Neopost folder inserters in the range of DS-75i up to DS-95i for network administrators and/or security officers.

Operating System

- Platform: Linux Kernel
- Details: Linux 3.0.35 for IMX6

Interfaces

- Ethernet IEEE 802.3
- WLAN IEEE 802.11 b/g/n (2.4 GHz)
- USB 2.0
- 9-pin D-sub female proprietary port

General Information

The network interfaces Ethernet and WLAN cannot be used simultaneously. Possible connection types are: off, wired or wireless.

Network connections are always initiated from the machine/user, and are never the result from inbound requests

The USB 2.0 port is used for service activities (i.e. software update) and job history download. The port will only mount a storage device with appropriate partitioning.

The 9-pin proprietary port is used for communicating with i.e. franking machines.

Protocols over TCP/IP

All communication over the network interfaces takes place over IPv4. The used protocols are:

- OpenSSL 1.0.1e
- OpenVPN 2.3.1
- OpenSSH 6.2p1 (only in developer mode)

IPv4 address assignment

The device allows manual assignment of IP address, subnet mask and gateway, as well as obtaining this information from a DHCP server on the network.

Required Services

A reachable DNS server address is required on the network to allow the device to resolve the addresses of online services

Supported Proxy Types

In case of a proxy server on the network, the following types are supported

- Transparent
- Basic
- NTLM v1.0

Network Features

- **Online help** (option): Next to an online HTML version of the user guide, context sensitive help can be accessed, as well as in-depth information in case of an event and frequently asked questions. All information is retrieved over TCP port 443 (https).
- **Remote Assistance** (option): With this function, on request of a service organisation, the user can share the user interface for optimal support. Directly after credentials are entered, a VPN tunnel is started between folder/insertter and a remote assistance server at ra.neopost.com. When established, data is exchanged over TCP port 80.

Open Ports

The following TCP ports are used for manufacturing purposes:

- 4040
- 7777
- 12346

These ports close 10 minutes after power up. The ports cannot be exploited as it requires exchange of the correct SSL certificate.

Miscellaneous

- **Web browser**: The folder/insertter is equipped with a built-in web browser. Cookies and browser history will be stored for the active session. Both are deleted when the browser is closed or the device is turned off.
- **Web server**: There is no Web Server integrated on the folder-insertter.
- **Email**: There is no email client nor server integrated on the device.