



Packcity Parcel Locker Network Datasheet (BE, DK, IR, IT, LU, NL, NO, UK, SU)

Introduction & Main Subject

This document presents the network requirements and the network security aspects of the Packcity parcel Lockers machines installed in Belgium, Denmark, Ireland, Italy, Luxemburg, the Netherlands, the United Kingdom and Sweden.

General information

The parcel locker needs to connect to the Neopost infrastructure to update servers in regards of the machine installation and then during its normal activity.

The machine is connected to the network using a standard RJ45 plug.
The network interface of the machine is compatible with 10 Mbits, 100 Mbits, 1 Gbits networks (auto negotiation mechanism) and supports only TCP/IP V4 protocol.

A DHCP server on the network is needed by the machine to work correctly.

Important Note: The IP address of the machine (provided by the DHCP server) **must not have** an IP address in the IP range from 192.168.1.0 to 192.168.1.24 and in the IP range 192.168.37.0 to 192.168.37.24. These IP addresses are internally used by the machine.



Needed network configuration

In order to ensure a correct behavior of the machine, the following URLs and ports **must be opened** on the network to access Internet URLs:

URL	IP Destination	Protocols (PORT)
cndapp.neopost-id.com	78.153.247.32	HTTPS (TCP 443)
google-public-dns-a.google.com (primary) google-public-dns-b.google.com (secondary)	8.8.8.8 8.8.4.4	DNS (UDP/TCP 53)
Pmd.neomachine.eu.packcity.com	78.153.247.119	HTTPS/WSS (TCP 443)
soti.eu.packcity.com	78.153.247.116	HTTPS (TCP 5494)
eu-pmd.locker.neopost-id.com	78.153.247.17	TCP (1199)
NTP service	Internet	UDP (123)

Security information

Server communications

Outgoing Internet connections are always initiated by the machine. All communications between the machine and servers are ciphered using the **TLS 1.2** protocol. Two communication tunnels are created for these data exchanges.

- **For machine events management:** A VPN through the port TCP 443:
 - ✓ RSA 2048bits keys
 - ✓ Cipher suites: TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256, TLS_RSA_WITH_AES_128_CBC_SHA.
- **For other information:** A VPN through the port TCP 1199.
 - ✓ RSA 4096bits key
 - ✓ Key Exchange: DHE-RSA-AES256-SHA
 - ✓ Cipher suite: BlowFish 128 CBC

Web server

There is no Web server integrated in the machine. A connection from a web browser to the device is not possible.

Email client/server

There is not an email client or server integrated in the machine.

DMZ

The machine can be installed in a DMZ.