

VDSL2

# Free choice of Modem Specification

## Description of the way to establish a connection with the Proximus Copper network via the NTP

**If FASTfiber offers its Fiber internet service using the Proximus VDSL network, then this document is applicable. FASTfiber does not administer the VDSL network described below.**

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# 1 Summary

This document describes the interface ports on the Proximus Copper Network Termination Points (NTP) that are available for connecting CPE equipment (modem) to the Proximus network. The NTP is the main interface and demarcation point with the Copper Proximus network.

## 2 Introduction

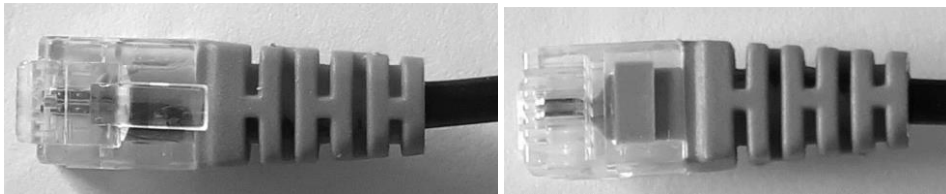
A lot of different NTPs have been used by RTT/Belgacom/Proximus to terminate the outside network and allowing the connection of telecom devices. With the introduction of the VDSL technology, the oldest NTPs have been replaced by new versions. The first ones are nevertheless described in the present document, because they can still be met in the field.

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## 3 Patch cord RJ11

The connection of the modem to the NTP or splitter/plug is mentioned to be made with an appropriate patch cord; this patch cord is made of one twisted pair connected on the central contacts of a RJ11 plug. A flat cable (more susceptible to interferences) may not be used.

Illustration RJ11 plug:



## 4 5-poles NTP

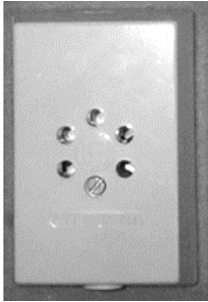
Different versions of NTPs used before 2007 can still be found in some houses.

### 4.1 Versions before 1995

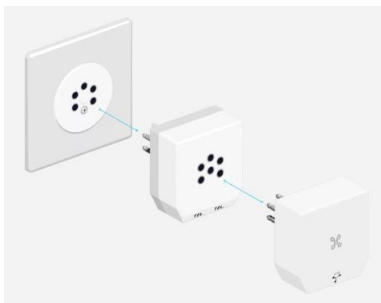
They exist in surface and flush versions.

For VDSL lines, these NTP outlets could be equipped with a 5 pins plug or a specific "5-to-6 adapter plug, if you want to use a 6 pins plug.

5 holes NTP:



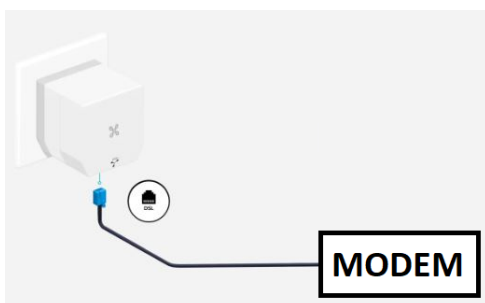
“5-to-6 holes adapter”:



5 or 6 Pins Plug:



The VDSL modem shall be connected to the RJ11 jack of this Plug with an appropriate patch cord.



## 4.2 Versions TF95 and TF2001



These are also 5-poles NTPs. The connection of a VDSL modem is done in the same way as described in point 4.1.

## 4.3 Summary

Needed component	VDSL
NTP	YES
ADAPTER	YES, if you use 6 pins
VDSL SPLITTER	NO
5/6 pin PLUG	YES

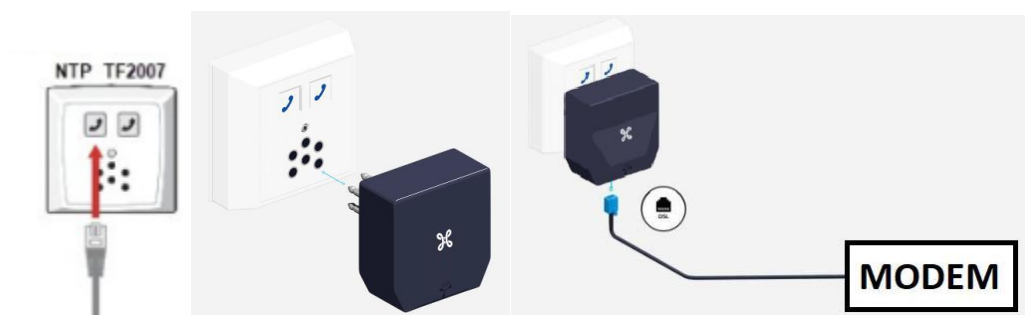
# 5 VDSL NTPs

## 5.1 Version TF2007

This NTP has 6 holes to accept the “Plug” without use of the 5-to-6 adapter.



The VDSL modem shall be connected to the left RJ jack OR to the RJ11 jack of the 6 pins plug, with an appropriate patch cord.



## Summary

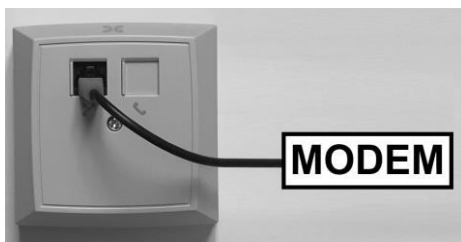
Needed component	VDSL
NTP	YES
6 pins PLUG	NO

## 5.2 Version TF2022

The NTP TF2022 is a simplified version of the TF2007, without six-poles jack.



The VDSL modem shall be connected to the left located RJ11 jack of the NTP with an appropriate patch cord.



## Summary

Needed component	VDSL
NTP	YES