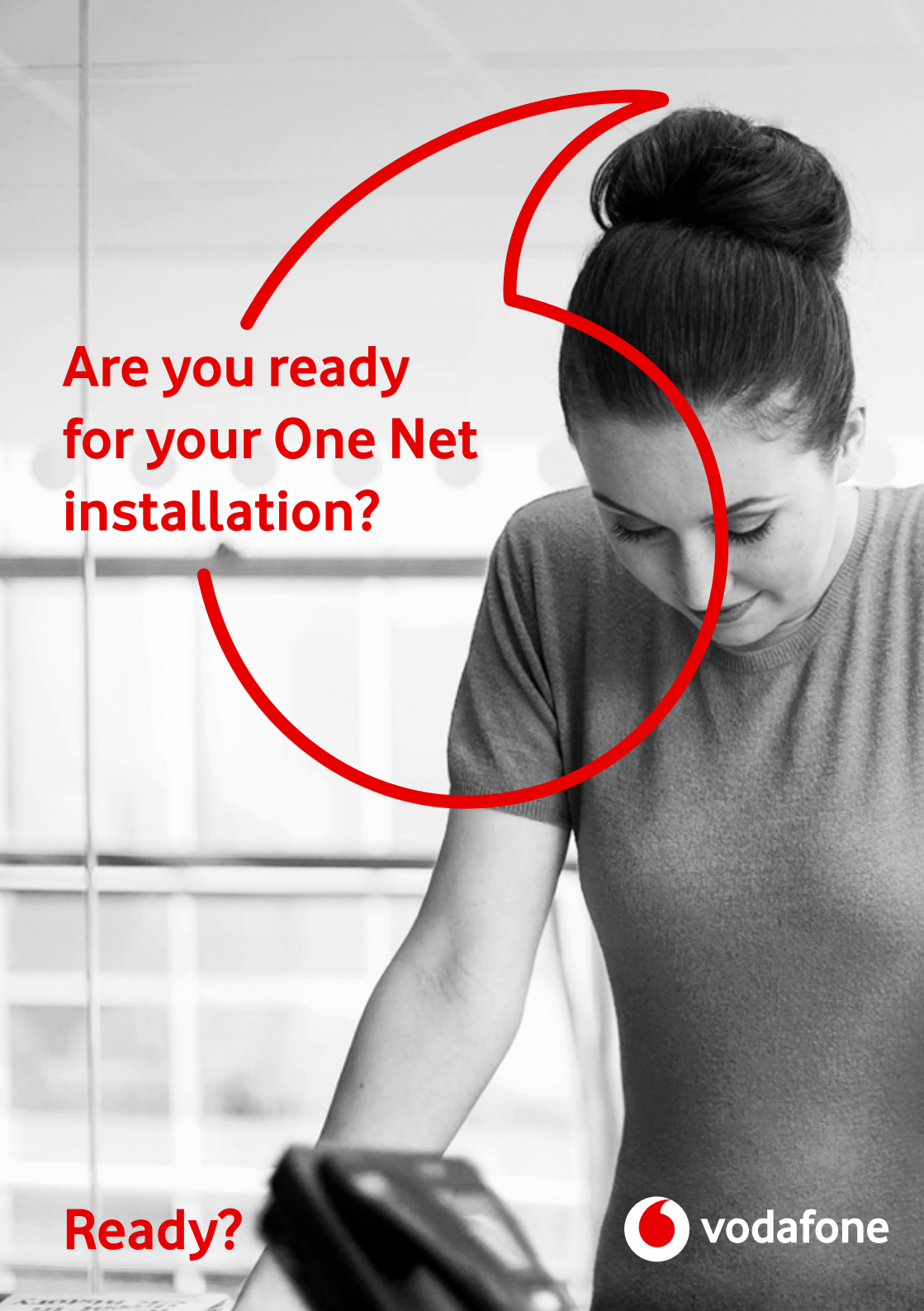
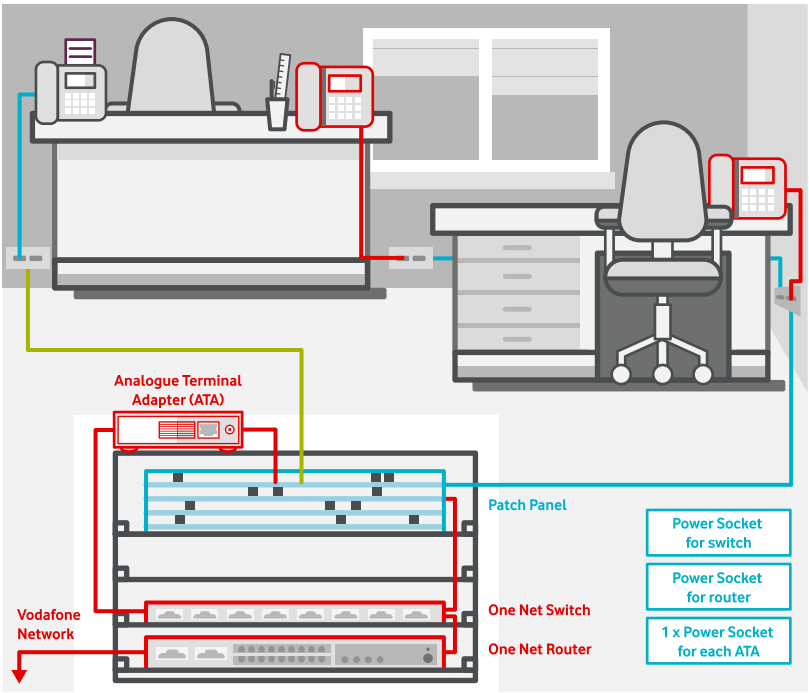

Are you ready
for your One Net
installation?
Ready?
vodafone

Your One Net Service

We're looking forward to getting you up and running with One Net. This guide walks you through what you need to do to be ready for your installation day.

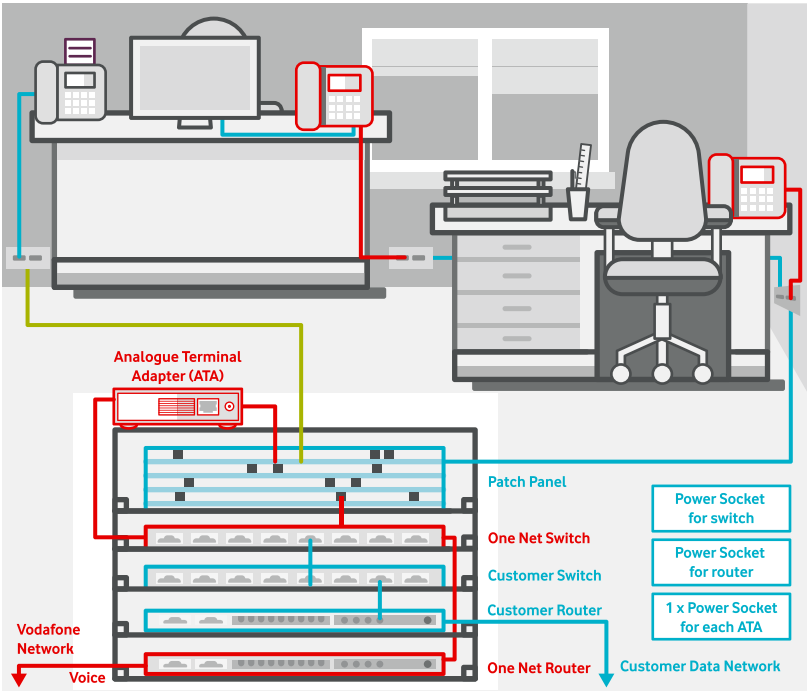


Dedicated One Net Data Configuration

(Where the One Net data is separate from your existing data connections)

Your One Net service may run over a dedicated data network or it may share your existing network. The diagrams here show how your service will be configured in each scenario.

Vodafone will provide everything shown here in red.
You will need to provide everything shown in blue.
The green line represents your analogue connections



Shared One Net Data Configuration

(Where the One Net data shares your existing data connections)

You just need to ensure that you have:

A data socket for each IP desk phone running over CAT5 or above cabling

Room within your equipment cabinet to put the equipment or a suitable space on a desk

Sufficient power sockets for the Vodafone equipment

What do I need for the equipment?

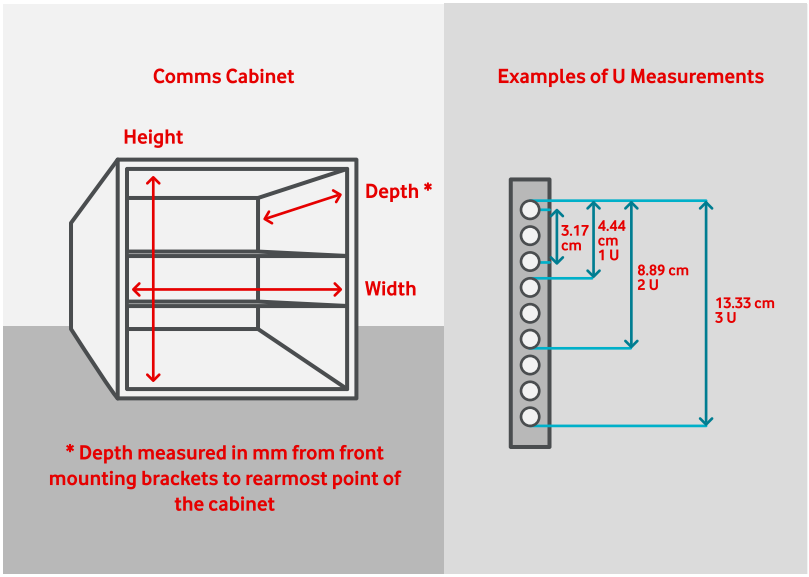
You may have a separate room or area in which we can install your One Net equipment (Router, Switch and Analogue Terminal Adaptors) or a comms cabinet. Please check the guidance below.

Comms Cabinet

Height – Each Router/Switch requires 1U of space.
The total U needed depends on the type of Access Line included with your One Net service

Access Line Type	DSL	FTTC	Ethernet	Ethernet + IoE
Spare 'U' Required	2	3	5	6

Width – Expansion brackets are supplied to fit standard 19" mounting brackets
Depth – Minimum depth: 24-port switch – 400mm, 48 port switch – 450mm



Shelf

Dimensions must be a minimum of 450 x 450mm able to support a weight of 10Kg

Desk

Ensure the Router(s)/Switch(es) are not facing a walkway to avoid accidental snagging of cables

What about Power?

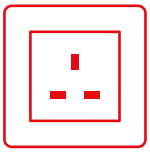
You will need to provide sufficient power connections for your installation within 1.5 metres of the One Net Router and Switch.

This includes:

one for the One Net router,

one for the One Net switch and

one for each Analogue device to be connected to One Net



3-pin socket

The leads we provide are designed to plug into a standard 3-pin socket.

C13 socket

If you are providing power via a C13 socket, you will need to provide the leads yourself ready for the installation day.

If you are providing C13 power sockets this table shows which type of lead you will need.

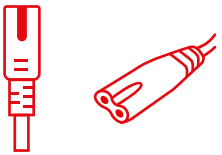
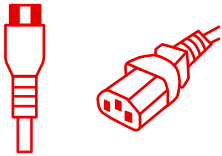


Figure 8
Connector



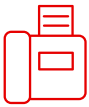
Kettle Lead
Connector

Equipment	Lead
Analogue Terminal Adaptor	Figure 8 to C13
Switch	Kettle lead to C13
Router (AR207)	Figure 8 to C13
Router (AR1220)	Kettle lead to C13

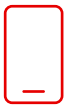
What do I need for Analogue devices?

Your analogue devices are connected to the One Net Switch using an Analogue Terminal Adaptor (ATA)

These types of device can be connected



Fax



DECT Cordless Phone

External Ringer

Analogue Conference Phone

Door Entry System

Franking Machine

Public Address

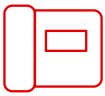
These types of device cannot

Alarm System

Answer Machine

Broadband/ Wifi

Telephone System

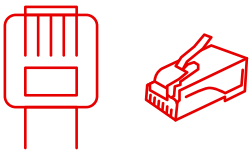


Emergency Phone

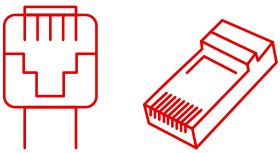
Automated Dialler

PDQ (EPoS)

The cable from the analogue device must be terminated in an RJ11 or RJ45 connector or be available from a patch panel.



RJ11



RJ45

Beware...

Franking machine – One Net cannot support any Pitney Bowes Franking Machines

Bell Ringer – This must not share a cable or single CAT5/6 port with another device

Public Address – You will need to provide a Line Interface Module to connect between the ATA and amplifier

Door Entry – This must be independently powered and be programmable via DTMF tones or the keypad, NOT by the current telephone system

Do I need anything extra for larger systems?

Your One Net service may require more than one Switch to connect all of your devices and equipment. If the switches are located in separate rooms, you will need to provide spare connections.

In the same room

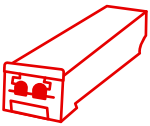
The switches will be connected using a CAT5/6 cable provided by Vodafone

In separate rooms

You need to ensure that you have a spare connection between the rooms.

Up to 90 metres CAT5/6 or Fibre may be used

>90 metres must be Fibre. You will need to provide:
2 x SFP (GBIC) Optical modules and 2 x Fibre Patch cables



2 x SFP (GBIC) Modules

2 x Fibre Patch Cables

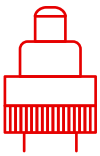
Two types of SFP which are compatible with the One Net switches are:

SFP Transceiver Modules

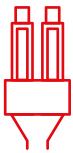
Type	Category	Media	λ TX	λ RX	Range
MFEFX1	100BASE-FX SFP	MMF	1300 nm	1300 nm	Up to 2 km
MGBSX1	1000BASE-SX SFP	MMF	850 nm	850 nm	Up to 550 m

Type	Connector Type	AVG OP Pwr	RX Sensitivity	Receiver Overload	Core Size
MFEFX1	Duplex LC	-15 to -8dBm	-34 dBm (max)	-5 dBm (min)	50-62.5/125
MGBSX1	Duplex LC	-9.5 to -4 dB	-20 dBm (typ)	-0 dB	50-62.5/125

The connectors on the fibre patch cable will be Latch Connector (LC) one end to one of the connectors shown here depending on your fibre patch panel .


FC


ST


LC


SC

Checklist

Make sure you're ready for your One Net install. It is your responsibility to ensure all of the pre-requisites are completed prior to your installation date. Failure to comply may result in a partial or aborted installation and there may be an additional fee to complete the work.

- [ ] Check that you have enough data connections for all of the IP phones
- [ ] Check that the internal data cabling is CAT5 or above
- [ ] If you need more data connections, engage a cabling specialist to add these
- [ ] Decide where you want the One Net equipment installed
- [ ] If equipment install is in a comms. cabinet – is there enough space?
- [ ] If equipment install is on a shelf – is it large enough and can it take the weight?
- [ ] If equipment install is on a desk – will the cables be sufficiently protected?
- [ ] Check you have enough power sockets close to the equipment location
- [ ] If using C13 power connectors, have you got the required number of power leads with figure of 8 and kettle connectors?
- [ ] For installs requiring multiple switches in different locations – do you have enough free connections?
- [ ] If a fibre connection is to be used between switch locations do you have the appropriate SFPs and Fibre patch cables?