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1+1 ONT and Enclosure Factsheet

We've launched this new style Optical Network Termination point (ONT) and enclosure in December 2017, the smaller ONT means we can fit it and the Battery Backup Unit (BBU) inside an enclosure, with space to tidy all the cables. The result is a neater presentation of the Openreach equipment that also offers some protection from knocks if placed in a utility cupboard.

This will be the default Openreach equipment, the older style ONT only being used where there is a need for an additional telephone or extra Ethernet ports which the new ONT does not support.

The first image below shows the front of the enclosure - you'll note that all the diagnostic lights are visible with the enclosure shut. The second image shows the enclosure open with the ONT and battery back-up.

Enclosure

Internal Setup

ONT

BBU

Technical Specifications

| Dimensions (H x W x D) (mm)	252.4 x 215 x 39.5 (Enclosure) – 134 x 115 x 25 (ONT) – 150 x 80 x 25 (BBU)
Weight	619g (Enclosure + ONT) – 172g (ONT) – roughly 200g (BBU)
Operating Temperature	-5°C to +45°C

Attaching to Wall

- The enclosure is attached to the wall with 2 screws, instead of the 4 on the previous ONT

- A template is provided with the unit to ensure correct screw location

- The enclosure will fit over a double back box to allow the connectorised cable to be inserted through the back of the unit

Screw Positions
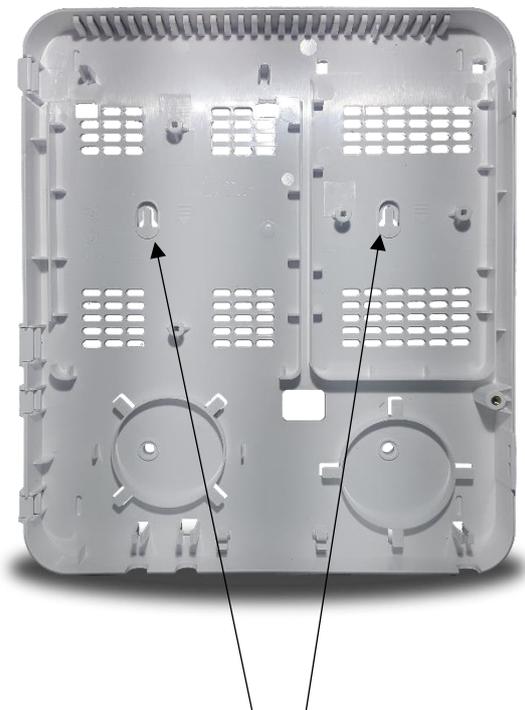
Screw fixing positions

Template

Wall Mounting Template for HG8110H-20 GPON Terminal

Φ5 mm

Φ8.4 mm

111 mm

Optical fiber inlet

15 mm

20 mm
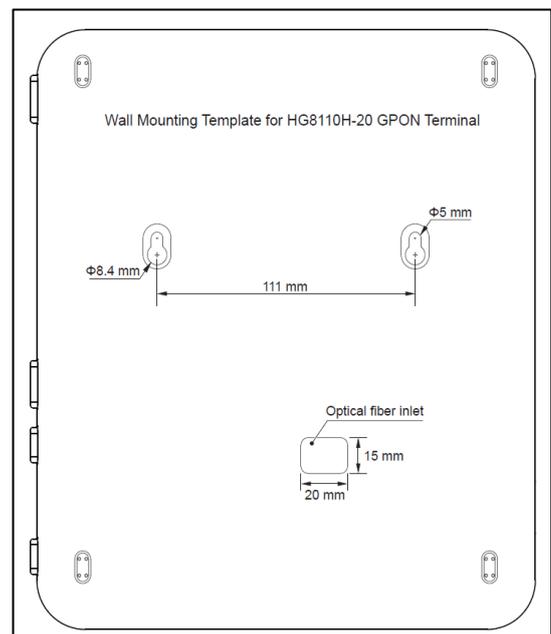
Cable Connections

- Connect the Openreach optical fibre to the Optical port on the ONT

- Connect the BBU to the Power port on the ONT using the built-in power cable

- Connect the power adapter to the DC IN port on the BBU, then plug the power adapter into the power socket

- Connect the BBU and ONT with the data cable, using the marked BBU ports on both units

- Connect PORT1 to the communication provider's router with a network LAN cable

- Connect a phone or fax machine to the TEL1 port of the ONT

POWER port (for power from BBU)　　Telephony port　　Ethernet port　　Ports for connection between ONT and BBU　　DC power input
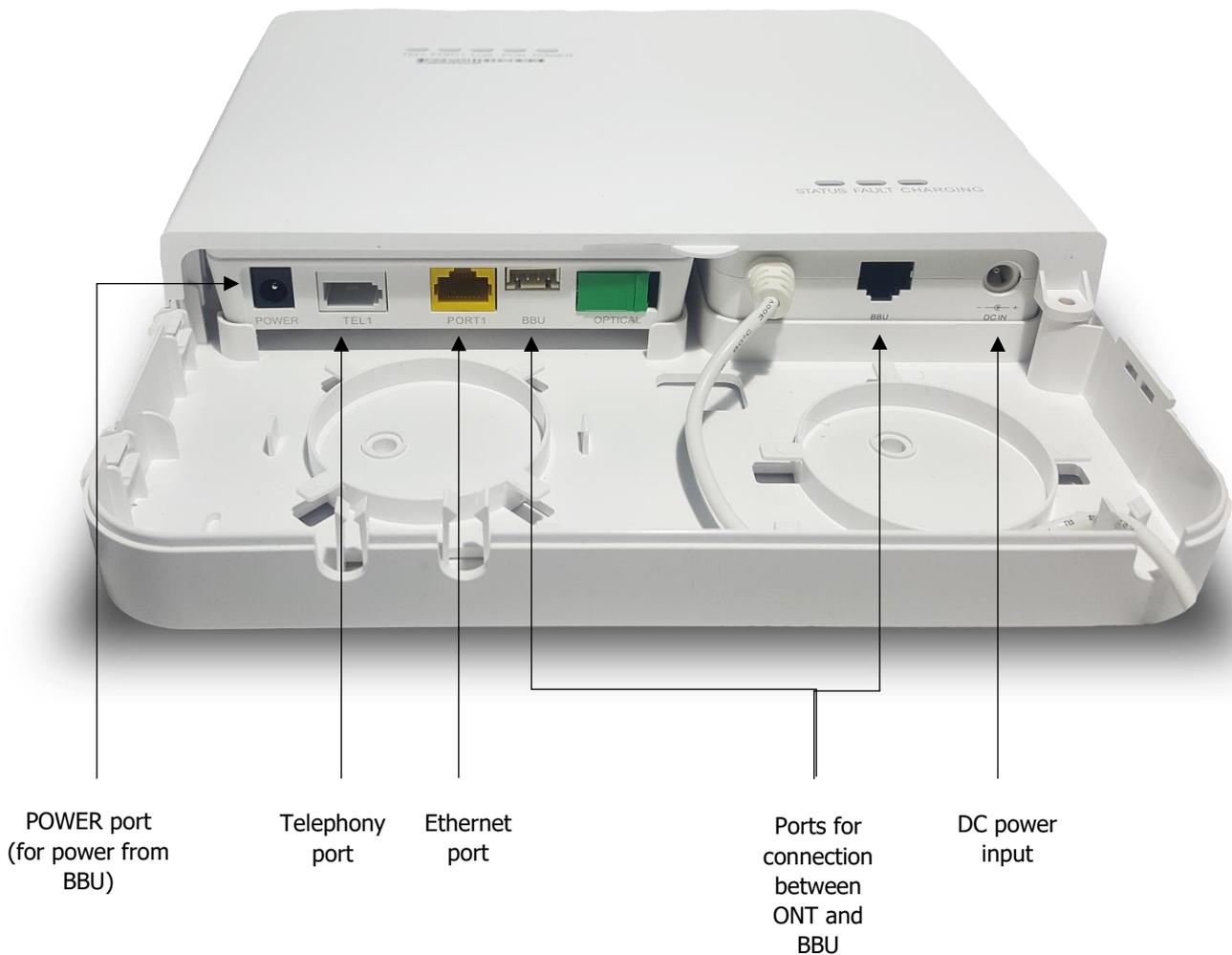
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Further Information

More technical specifications and other related information can be found in the official [manufacturer's guide.](#)

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