

nbn™ Ethernet Network Termination Device (NTD) equipment location guide

The purpose of this guide is to help you understand the installation requirements for your nbn™ Ethernet supplied equipment.

Location

The ideal location for a Network Terminating Device (NTD) is a server room or communications room. However, if these spaces are not available then a similar space can be utilised if it complies with the **business nbn™ Equipment Location Requirements Guide**. This guide includes a list of prohibited locations.

Wall and rack-mount options

Your nbn™ supplied equipment will either be wall or rack-mounted. The nbn™ field technician will confirm the optimal solution at the time of the site survey. This must comply with the relevant standards, including **business nbn™ Equipment Location Requirements Guide** and Building Code of Australia Volumes 1 and 2 for safety and maintenance purposes.

Wall mount

NTD and Power Supply Unit (PS/S) – or optional Backup Battery Power Supply Unit (BB PSU) – will be fixed to a suitable wall. This may be inside a cupboard or cabinet that complies with minimum clearances and ventilation requirements.

Rack mount

NTD and PS/S (or optional BB PSU) can be installed in a suitable customer-supplied rack if one is available. Minimum space and clearance requirements must be met by the available rack space.

Wall mount

The chosen wall must be flat, and suitably constructed for fixing the nbn™ supplied equipment enclosure. Health, Safety and Environment (HSE) standards and nbn engineering standards, require that the wall must also meet a set of both minimum and maximum measurements. These are outlined at a high level in **Figure 1** and **2**; further detail is available in the **business nbn™ Equipment Location Requirements Guide**.

The customer should ensure no obstructions are placed in front of the NTD, for safety and optimal operation.

Where the wall mount enclosure is placed within a cupboard or cabinet, the space must meet minimum ventilation requirements. These requirements vary depending on the cupboard or cabinet's volume. Refer to **business nbn™ Equipment Location Requirements Guide** for the calculation methodology.

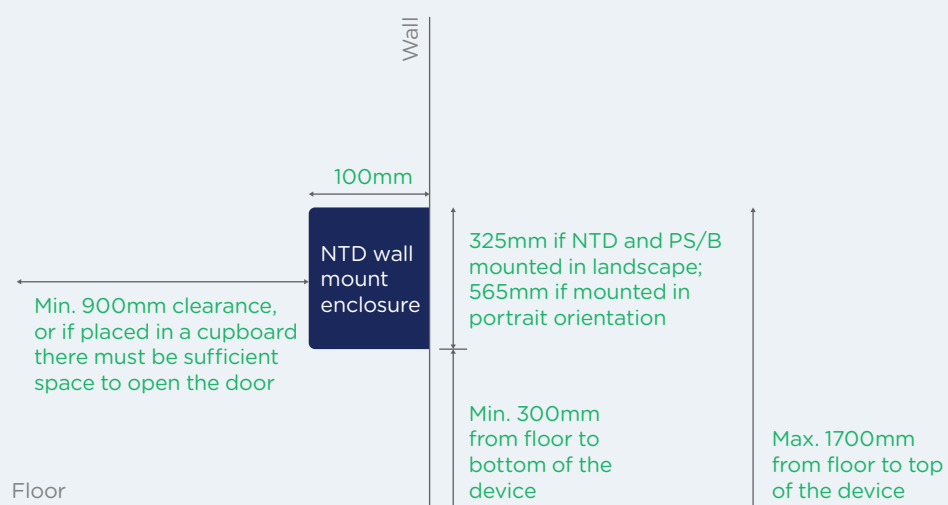


Figure 1. Standard wall mount (side view) (not to scale)

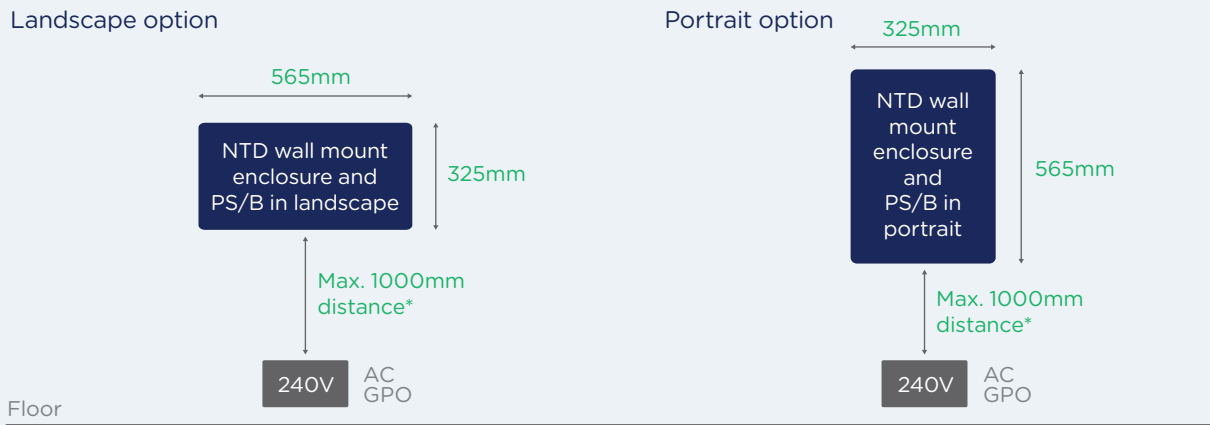


Figure 2. Wall mount (front elevation) (not to scale)

*Standard power cord requires a 240V General Power Outlet (GPO) to be positioned within 1000mm of the **nbn™** supplied equipment.

Rack

The customer must supply the rack, if requiring a rack-mounted solution. The rack and surrounding area must meet minimum and maximum measurements, for equipment placement, clearance and ventilation. These are outlined at a high level in **Figure 3**; further detail is available in the **business nbn™ Equipment Location Requirements Guide**.

Customers selecting a rack-mounted solution should ensure no other equipment is placed in the reserved rack space.

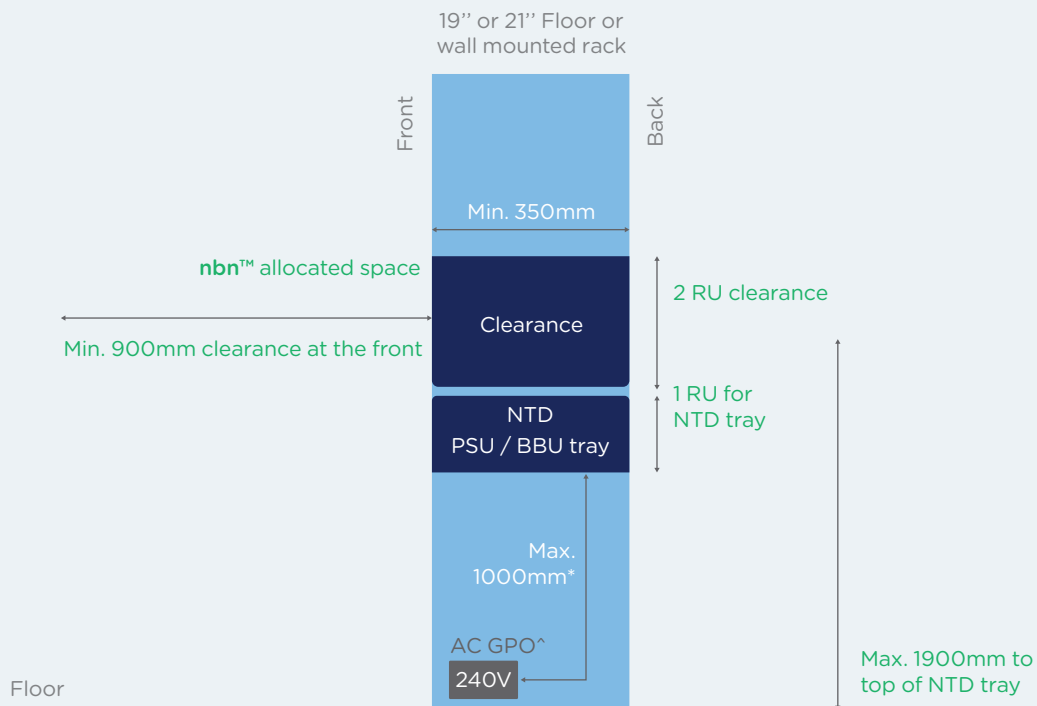


Figure 3. Rack mount (side view) (not to scale)

*Standard power cord requires a 240V AC GPO to be positioned within 1000mm of the **nbn™** supplied equipment.

^AC GPO must be contained within the rack.

Power and earthing

A communications earth terminal and/or rack earth is required. Earthing and power connections should be as per AS/NZS3000:2018.

nbn™ Ethernet requires a customer-provided 240V AC GPO per NTD Ordered. The GPO must be located within 1000mm of the NTD.

Learn more by reading the **business nbn™ Equipment Location Requirements Guide** found at nbn.com.au/fibreforbusiness