Singtel

Quick Installation Guide for XGSPON Optical Network Router



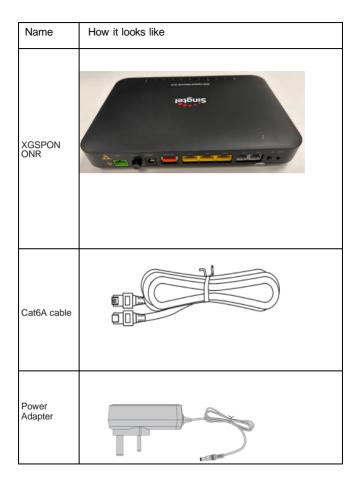
Technical Specifications

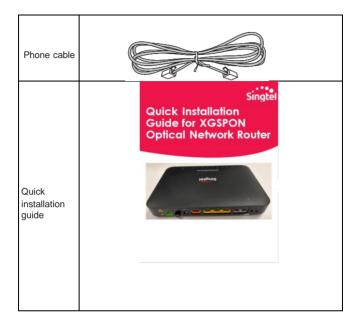
- Power supply: 12 V DC, 2 A
- Power adapter input: 100 240 V AC, 50 60 Hz
- System power supply: See the nameplate on the device
- Ambient temperature: 0°C to +40°C
- Ambient humidity: 5% 95% RH (non-condensing)
- Weight: < 800 g</p>
- System power consumption: ≤ 14.8 W

Product Overview

Product	Feature
XGSPON Optical Network Router (ONR)	 3 10/100/1000M auto negotiating Ethernet ports 1 100M/1G/2.5G/5G/10G auto negotiating Ethernet port 2 POTS ports

1. What's in the box?





2. Suggested Placement of ONR



Do not install XGSPON ONR outdoors or in cabinets which may be exposed to sun and rain.

XGSPON ONR should be placed at an open area, such as on your work desk. Ports at the back of XGSPON ONR should be unobstructed.



3. Connecting Cables and Devices to XGSPON ONR



Port / Switch description:

- 1. Power port
- 2. Two telephone ports
- 3. Three ethernet ports
- 4. Fiber port
- 5. Power switch
- 6. Reset button
- 7.10G ethernet port
- 8. LED test button

Installation Guide:

• Powering up the ONR:

Step 1: Connect the power adapter to the ONR's Power port and your home electrical outlet. Power-on the ONR.

The Power indicator on the ONR should be green.



LED Indicator	Status	LED Description
Power	Green	Power on. The power LED first displays amber and then turns green. Power on (Power LED can be set green solid dim by LED indicator button when running property)
	Green flashing	ONR is booting up
	Amber flashing	New firmware downloading
	Red Solid	Failed on startup (for example corrupt flash), or self test failed on startup, or self test failed during regular operation or when executed over OMCI
	Off	ONR is powered off

Nokia internal use

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-		Off	ONR is powered off

In the event of "ONR start up failure", please try to power-off and power-on the ONR again.

If the issue still persists, please try to do a factory reset by pressing the "Reset" button and holding for more than 10 seconds. If the LED indicator turns off and on, your ONR has been successfully restored to factory default.

If this does not resolve the issue, please get a replacement ONR and send this ONR back to Nokia for analysis & repair.

Nokia internal use

Installation Guide: Accessing the ONR:

Step 1: Connect the power adapter to the ONR's Power port and your home electrical outlet. The Power indicator on the ONR should be green.

Step 2: Connect your PC to the ONR through the Ethernet port.

Step 3: Enter http://192.168.1.254 in the address bar of your Internet Browser and press Enter. In the web login window, enter username and password

Username	
	- 0
Password	

Step 4: Click Login.

Normal user: admin Password: As per label



Internal use

Installation Guide: Connecting the fiber:

Step 1: Connect one end of the fiber patch cord to the fiber port on the back of the ONR, and secure the optical fiber by fitting it on the holders (SC/UPC).

Follow the arrows in the diagram for the positions of the holders.



Step 2: Connect the other end of the patch cord to the fiber termination point (FTP).



** As the fiber optic cables are made of glass, please do not bend sharply and ensure the bending diameter is larger than 30mm.

Internal use

Installation Guide: Connecting the fiber:

If the ONR has been provisioned on the OLT, once the fiber is connected and if the FTTH ID has been correctly configured, then the PON & AUTH LED should eventually be steady GREEN.



LED Indicator	Status	LED Description
	Green	ONR has ranged successfully
PON	Greenflashing	ONR is ranging
	Off	No light source is detected
	Green	ONR is authorized / authenticated
AUTH	Greenflashing	ONR is ranging or synchronizing
	Off	ONR is not authorized / authenticated

Internal use

Installation Guide: Connecting the fiber:

If the PON LED is OFF or keeps flashing, please check your fiber connection and FTTH ID configuration.

You can check the Rx optical signal by using an optical power meter or you can log in to the ONR and verify the optical Rx signal by navigating to Status \rightarrow Optical Module Status.

LED Indicator	Status	LED Description	Singtel		Legisut
	Green	ONR has ranged successfully	Charles	Status - Optica Module Status Sensi nurrae	ALCL ^D CC19799
PON	Green flashing	ONR is ranging	LAN Bates WNN Status	Laser Ras Current (CNT Anii CNT Asia Chill Boe Optical Internationetti) Optica Modele Voltale (CNT Anii CNT Bole Optical Internationettic)	014 3336000 eV
	Off	No light source is detected	Home Networking	Optics Module Temperature (ONT ANI-ONT-Sine Optical Measurements):	21.00.10
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Internal use

Installation Guide:

Connecting the fiber:

If the AUTH LED is OFF or keeps flashing, please recheck if the FTTH ID has been correctly configured.

Atternatively you can also cross-check with the backend provisioning team to see if the ONR has also been correctly configured on the OLT.

You can also navigate to Status → Device Information to verify if the ONR is on the correct software 3TN00284HJLI94

			Singtel	100 PON Home Gateway	Logout
LED Indicato	Status	LED Description	€Status Derice bilomation	Status-Device Information	XB-JHEKA
r			LAN Status WIN Rates	Vendor	NORIO
	Green	ONR is authorized / authenticated	WIN Balan Put	Senal Number	ALCUPOCHIPSE STRUCTIONA
AUTH	Green	ONR is ranging or synchronizing	Optics Module States Statemen Voce internation	Boit Version Software Version	Boobaset1.1 Feb-06.2023-12.24.42 07N00284H4K82(1.2501.102)
	Off	ONR is not authorized / authenticated	fitietwork #Decurity #Application #Maintenance	Ongost Device Running Time	schones Orours Simouwe 42 seconds Batreat

Internal use

ONR Services Validation: LAN Port Status:



If a device is connected but the LAN Port LED is OFF, please navigate to Status → LAN Status to check the port status.

You can also navigate to Status → Home Networking to verify the details of the connected devices.

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LED Indicator	Status	LED Description
LAN Port 1~4	Green	Ethernet connected/powered device connected to LAN port
	Green flashing	Data activity present (traffic in either direction)
	Off	Power off or Ethernet not connected

Internal use

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