



# CLOUDMESH GATEWAY

## NF20MESH



### The ultimate Wi-Fi fixer

Bring the new adaptive Wi-Fi experience to your home with the **CloudMesh Gateway (NF20MESH)**.



### WI-FI 6 IS HERE

**Wi-Fi 6** is the next generation of Wi-Fi. Delivering significant speed, performance and efficiency improvements, it provides up to four times more device capacity than Wi-Fi 5. These improvements enable end users to stream higher quality with more devices on the network, while still operating at optimal performance. Your **Wi-Fi 6 Gateway** will future-proof your Wi-Fi experience, and enable smart devices throughout your modern, connected home.



### MESH ENABLED

The **CloudMesh Gateway (NF20MESH)** works wirelessly with the **CloudMesh Satellite (NS-02)**, forming a single powerful Whole Home Wi-Fi Mesh network with all the control and settings centralized on the gateway. The gateway becomes the Wi-Fi Mesh master node and the Wi-Fi client device roams seamlessly between satellites and the gateway.



### EASY PAIRING WITH CLOUDMESH SATELLITES

The **CloudMesh** system is a turnkey, out-of-the-box solution. ISP Satellite pre-provisioning is available via a cloud portal and API, allowing for a **Zero Touch configuration** experience for the end-user. There is also an easy and fast alternative for in home setup using **WPS buttons**.

Specifications subject to change



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# SPEC SHEET HEADING



## WI-FI AUTOPILOT

Every **CloudMesh Gateway** includes the **CloudMesh Wi-Fi AutoPilot**.

**Wi-Fi Auto-Pilot** constantly scans and analyses the end-user Wi-Fi environment. If any detrimental changes are detected, the AutoPilot adjusts the gateway's Wi-Fi parameters. Any action taken is based on a patented and weighted algorithm ensuring that the internet connection experience is not compromised. It ensures that every Wi-Fi client device is connected on the best possible channel, using the fastest available band, at the perfect RF power level and at the closest Wi-Fi access point.



## EDGE PROCESSING

Performing adjustments and assessing the environment at the edge via Cloud Intelligence, **CloudMesh** and the **Wi-Fi Analytics Cloud** deliver a high reliability, low latency, superior performance with real-time applications such as video conferencing, and reduced costs associated with cloud server traffic.



## MADE FOR NBN AND UFB

Featuring a Gigabit WAN port as well as **VDSL2/ADSL2** technologies, the **CloudMesh Gateway** will connect with FTTN, FTTB, FTTC and FTTH. The Gateway also features VoIP for HD quality voice calls with the capacity to connect 2 phones.



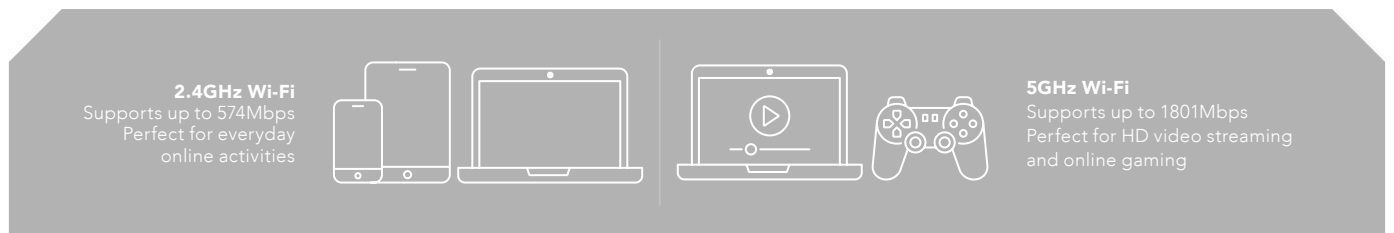
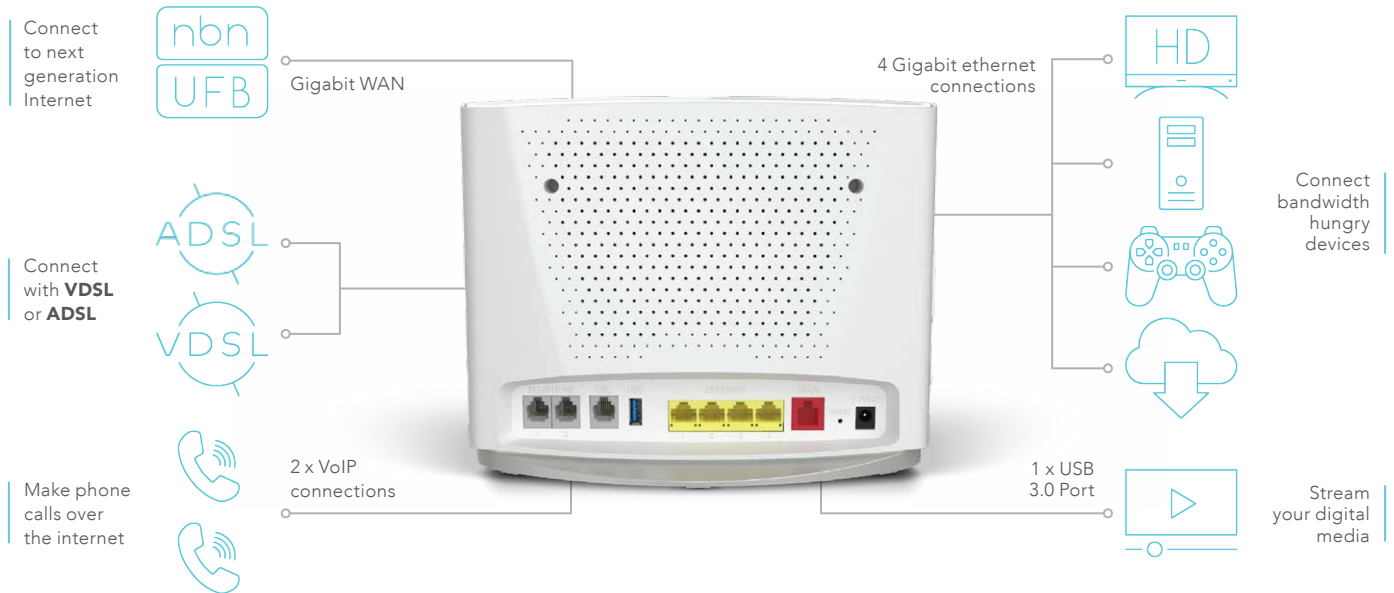
## WORKS WITH WI-FI ANALYTICS PLATFORM

The **CloudMesh Wi-Fi Analytics Platform** is a turnkey, CPE integrated, cost-effective solution that provides the ultimate visibility into the health of the subscriber's Wi-Fi home network.

It can dramatically lower operational costs and create superior end-user experiences. It does this by enabling proactive diagnostic, management and control of subscriber's home Wi-Fi environment, helping to resolve even the most elusive Wi-Fi problems.



# PRODUCT INTERFACES



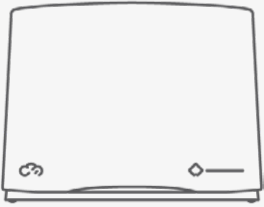
## PERFECT FOR

- › ISPs who want to reduce number of Wi-Fi related support calls by using the self-adapting Wi-Fi Technology on the CPE gateway.
- › ISPs who want end-to-end connection visibility and control using the Wi-Fi Analytics Platform.
- › End-users who want to seamlessly expand their Wi-Fi network with CloudMesh Satellites.

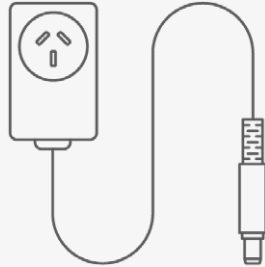
## FEATURES AT A GLANCE

- › Mesh-enabled for seamless connection to CloudMesh Satellites
- › Automated Wi-Fi issue resolution with Wi-Fi AutoPilot
- › Gigabit connection to high-speed fibre networks
- › Support for VDSL2/ ADSL2+ and Voice
- › Wi-Fi visibility and assurance with the Wi-Fi Analytics Platform

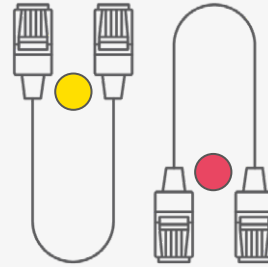
# WHAT'S IN THE BOX



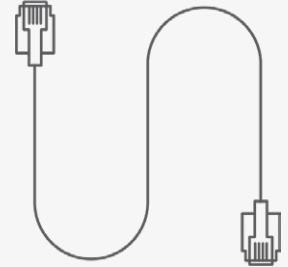
1 x CloudMesh Gateway  
(NF20MESH)



1 x Power Adapter



2 x Ethernet Cables  
(1m, RJ45)



1 x Phone Cable  
(1m, RJ11)



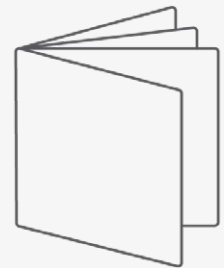
1 x Warranty Card  
1 x Privacy Statement



1 x Safety Information Leaflet



1 x Wi-Fi Security Card



1 x Quick Start Guide



# TECHNICAL SPECIFICATIONS

## ENVIRONMENTAL AND PHYSICAL

- › Operating temperature: 0 to 40°C
- › Operating humidity: 10 to 95% non-condensing
- › Storage temperature: -20 to 70°C
- › Storage humidity: 5 to 95% non-condensing
- › DC Input Voltage: 12V/2A
- › Dimensions: 23(L) x 18(H) x 7(W) cm
- › Weight: 555g

## DEVICE INTERFACE

- › 4 x RJ45 10/100/1000Mbps LAN ports
- › 1 x RJ45 10/100/1000Mbps WAN port
- › 2 x RJ11 Phone ports (VoIP)
- › 1 x RJ11 DSL port
- › 1 x Reset button
- › 1 x WPS button
- › 1 x WLAN button
- › 1 x Power jack
- › 1 x USB 3.0 Port (storage)
- › 1 x Power switch
- › LED (Power/DSL/Internet/WAN/LAN1-4 /2.4GHz/5GHz/WPS/USB/ Phone1-2)

## VDSL

- › PPPoE/PPPoA/IPoA/ Static IP / Dynamic IP/Bridge
- › ITU-T G.993.2 VDSL2
- › Supports 8a,8b,12a,12b,17a, 30a, 35b profile
- › Supports ATM and PTM
- › Supports G.INP

## ADSL2+

- › PPPoE/PPPoA/IPoA/Static IP / Dynamic IP/Bridge
- › ITU G.992.1 (G.dmt)
- › ITU G.992.2 (G.lite)
- › ITU G.992.3
- › ITU G.992.3 (Annex J)
- › ITU G.992.3 (Annex L)
- › ITU G.992.5
- › ITU G.992.5 (Annex M)
- › ITU G.994.1 (G.hs)
- › Supports multiple PVCs

## ETHERNET WAN

- › PPPoE, DHCP client, Static IP

## WIRELESS

- › Compatible with IEEE 802.11 a/b/g/n/ac/ax
- › Supports concurrent dual band (2.4GHz/5GHz) wireless
- › SSID broadcast or in stealth mode
- › Auto Channel selection
- › WPS button (Wi-Fi Protected Setup)

## VOIP PROTOCOL

- › SIP2.0
- › G.711, G.723 and G.726

## MEDIA

- › File sharing
- › DLNA

## SECURITY

- › Firewall
- › MAC filtering

## ROUTING

- › Static Route
- › Dynamic Route (RIP v1/v2)
- › DMZ
- › Supports Layer 2 Bridge Mode

## ADMINISTRATION

- › QoS
- › SNMP
- › UPnP
- › Syslog
- › Web-based UI
- › Remote Login
- › TR-069 Auto provisioning
- › Backup/Restore Settings

## COMPLIANCE

- › RCM
- › NZ Telepermit

## NetComm NF20MESH Spec Sheet Rev 4

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