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.
KEY FEATURES CONT.

**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**

**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

**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.

**2.4GHz Wi-Fi**
- Supports up to 574Mbps
- Perfect for everyday online activities

**5GHz Wi-Fi**
- Supports up to 1801Mbps
- Perfect for HD video streaming and online gaming

**Connect to next generation Internet**
- Gigabit WAN
- 4 Gigabit ethernet connections

**Connect with VDSL or ADSL**
- 2 x VoIP connections

**Make phone calls over the internet**
- 1 x USB 3.0 Port

**Connect bandwidth hungry devices**
- 1 x USB 3.0 Port

**Stream your digital media**
- 5GHz Wi-Fi
- 4 Gigabit ethernet connections

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WHAT’S IN THE BOX

1 x CloudMesh Gateway (NF20MESH)
1 x Power Adapter
1 x Ethernet Cable (1.5m, RJ45)

1 x Phone Cable (1.5m, RJ11)
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)**

## 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**

## 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**

## ETHERNET WAN
- **PPPoE, DHCP client, Static IP**
- **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**

## 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**

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