



WI-FI6 CLOUDMESH HYBRID GATEWAY

NL20MESH



Bring the new adaptive Wi-Fi experience to your home with the Wi-Fi 6 CloudMesh Hybrid Gateway.



WI-FI 6 IS HERE

Wi-Fi 6 is taking your Wi-Fi further, delivering significant speed, performance and efficiency improvements.

With up to four times more device capacity than Wi-Fi 5, **Wi-Fi 6** brings the improved performance to more devices on your network. Your **Wi-Fi 6 Hybrid Gateway** will future-proof your Wi-Fi experience and will enable the ultimate smart connected home



MESH ENABLED

The **Wi-Fi 6 CloudMesh Hybrid Gateway (NL20MESH)** works wirelessly with the **CloudMesh Satellite (NS-02)**, forming a powerful whole home **Wi-Fi Mesh** network with all the control and settings centralised on the Gateway. WiFi devices can seamlessly connect and roam between the **CloudMesh Gateway** and **Satellite** to ensure optimal connectivity to the WiFi network.



WI-FI AUTOPILOT

Every **CloudMesh Gateway** includes the **CloudMesh Wi-Fi AutoPilot**. **Wi-Fi AutoPilot** constantly scans and analyses your Wi-Fi network environment and if any detrimental changes are detected, the **Wi-Fi AutoPilot** adjusts the gateway's Wi-Fi parameters. Any action taken is based on a patented and weighted algorithm ensuring the internet connection experience is never 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, utilising the closest Wi-Fi access point.

KEY FEATURES CONT.



4G MOBILE BROADBAND CONNECTIVITY

Benefit from hybrid technology to achieve an uninterrupted broadband experience from the very start. Equipped with a **4G Cat 6 modem**, the **NL20MESH Hybrid Gateway** will connect to the mobile network allowing:

- › **4G back up** – If the fixed line service is interrupted the **NL20MESH** will automatically switch connectivity to the 4G mobile network. The device will then seamlessly switch back once the fixed line service resumes.
- › **Faster internet connection** – The 4G capability of the **NL20MESH** means no waiting time when setting up your new device and waiting for your fixed line service to be activated. The device will get you connected instantly.



EASY PAIRING WITH CLOUDMESH SATELLITES

CloudMesh is an out-of-the-box solution allowing for a **Zero Touch** configuration experience as well as an easy and fast alternative for in-home setup using **WPS buttons**.



WORKS WITH WI-FI ANALYTICS PLATFORM

The **CloudMesh Wi-Fi Analytics Platform** is a fully integrated cost-effective solution that provides visibility into the health of each individual Wi-Fi home network.

CloudMesh creates superior end-user experiences by enabling proactive diagnostic, management, and control of the home Wi-Fi environment, helping resolve even the most elusive Wi-Fi problems.



MADE FOR NBN AND UFB

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

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
- › Dimensions: 266mm(L) x 74mm(W) x 207.5mm(H)
- › Weight: 835g

POWER

- › DC Input Voltage: 12V 2.5Amp

DEVICE INTERFACE

- › 4 x RJ45 10/100/1000Mbps LAN ports
- › 1 x RJ45 10/100/1000Mbps WAN port
- › 1 x RJ11 Phone ports (VoIP)
- › 1 x Reset button
- › 1 x WPS/LED button
- › 1 x Wi-Fi button
- › 1 x Power jack
- › 1 x Power switch
- › LED (Power/Internet/WiFi/WAN/LTE/DSL/Phone)

CELLULAR

- › LTE FDD: B1/3/5/7/8/28
- › LTE TDD: B40
- › WCDMA: B8
- › LTE Category: Cat6
- › LTE: Max. 300Mbps DL / Max. 50Mbps UL

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

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NL20MESH_R2



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Casa Systems, the future of NetComm

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