



Wi-Fi 6 HYBRID GATEWAY

NL20MESH



Bring the new adaptive Wi-Fi experience to your home with the **Wi-Fi 6 CloudMesh 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. Wi-Fi devices can seamlessly connect and roam between the **CloudMesh Gateway** and **Satellite** to ensure optimal connectivity to the Wi-Fi network.



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.



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

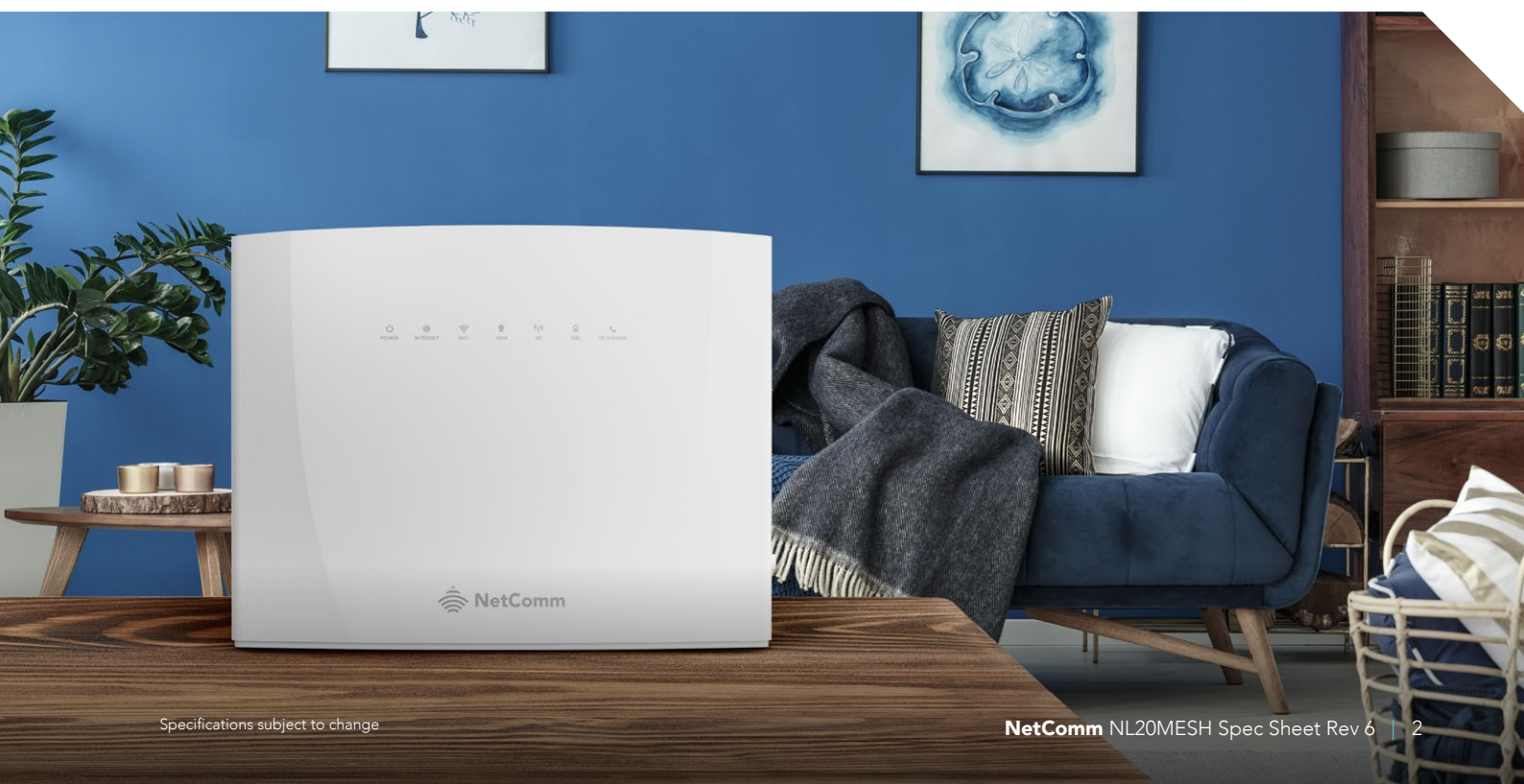
The **CloudMesh Wi-Fi Analytics Platform** is a fully integrated cost-effective solution that provides visibility into the health of each individual Wi-Fi home network.

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 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 2Amp

DEVICE INTERFACE

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

NetComm NL20MESH Spec Sheet Rev 6

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