

# Wi-Fi 7 BE6400 GATEWAY WITH VDSL AND VOICE

NF71



Designed for NBN ISPs, the **NetComm NF71 Wi-Fi Gateway** delivers **Wi-Fi 7** with **EasyMesh™**, **VDSL**, **voice** and **2.5Gbps** connectivity into Australian homes.



## Wi-Fi 7 IS HERE

The **NF71 Wi-Fi 7 Gateway** is equipped with Wi-Fi 7 ready for the high throughput demands of today's devices. Wi-Fi 7 is the newest iteration of Wi-Fi, increasing the speed of your home network and boosting range using multi-band technology to ensure a stronger and more reliable connection with your devices.

Features **dual-band 2x2 + 4x4 Wi-Fi antennae** for ultimate Wi-Fi coverage and throughput enabling wireless speeds up to **6.4Gbps\***



## MADE FOR NBN

The **NF71** is designed to be fully compatible with Australian Internet Service Providers on the **NBN network**, offering features such as **FTTN** compatibility and **VoIP** functionality. The **NF71** is perfect for ISPs looking to deliver the latest **Wi-Fi 7** technology to their customers.



## AURORA APP FOR EASY SETUP AND CONFIGURATION

The **Aurora: Device Assistant app** provides easy and user-friendly access to support installation, configuration and optimisation of your **Whole Home Mesh network**. Features include, status monitoring, system controls, mesh configuration and firmware updates.

# KEY FEATURES CONT.



## NEXT GENERATION Wi-Fi 7 EASYMESH SATELLITE

Bring high speed Wi-Fi 7 to all corners of your home by adding **NS71 Wi-Fi 7 EasyMesh Satellites**.

The **NS71 Wi-Fi 7 EasyMesh Satellites** expand your Wi-Fi network, increasing the range and throughput. Additionally, the Satellites are equipped with two 2.5GE LAN ports, allowing you to connect the latest high-speed wired devices directly to the **Satellites**.



## DESIGNED TO GO FAST

Equipped with **2.5GE WAN** and **2.5GE LAN** ports to eliminate bottlenecks, the **NF71** is futureproofed for new high speed NBN tiers. The **NF71** delivers concurrent **4k streaming**, seamless video calls and a great gaming experience.



## STAY IN TOUCH

The **NF71 Wi-Fi 7 Gateway** includes **VoIP** functionality, allowing you to connect a telephone handset for HD quality voice calls.



# AURORA DEVICE ASSISTANT



## AURORA

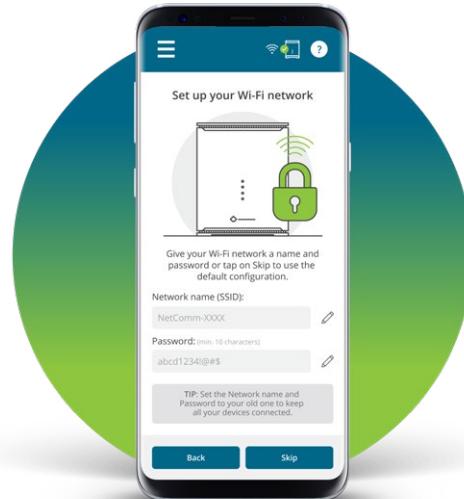
### Device Assistant app

A user-friendly companion app for your **NetComm gateway** and **satellites**, providing you with all the features you need to configure and manage your network.

## GUIDED SETUP

The **Aurora - Device Assistant app** guides you through your initial internet connection configuration using **WAN** or **VDSL**. It then helps to set up your Wi-Fi to meet the needs of your home. If the app detects any problems, you are guided through troubleshooting to assist in resolving issues.

If you install one of our Satellites alongside the **NF71**, the app guides you on finding the best location for the highest speed and Wi-Fi coverage.



## WHOLE NETWORK MANAGEMENT

Manage your network, including creating **Guest Wi-Fi networks** and sharing your Wi-Fi details all through the **Aurora - Device Assistant app**. Advanced management of the Gateway, such as firmware upgrades and troubleshooting are also accessible through the app.

# TECHNICAL SPECIFICATIONS

## DEVICE INTERFACES

- › 1 x 2.5GE WAN/LAN port
- › 1 x 2.5GE LAN port
- › 1 x DSL port
- › 1 x Phone port (VoIP)
- › 1 x Reset button
- › 1 x WPS button
- › 1 x Wi-Fi on / off button
- › 1 x Power switch
- › 1 x Power jack
- › LED (Power / Internet / Wi-Fi / WAN / DSL / Phone / Multi-function)
- › 1 x LED Button

## ETHERNET WAN

- › PPPoE, DHCP client, Static IP

## 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

## VOIP PROTOCOLS

- › SIP2.0
- › G.711, G.722, G.723 and G.726, G.729
- › FAX T.38 FAX Relay
- › Support WMI
- › Call forwarding, call transfer, call conference, and call waiting
- › Dial plan support

## WIRELESS

- › **Compatible with:**
  - › IEEE 802.11b, IEEE 802.11g,
  - › IEEE 802.11n, IEEE 802.11ac,
  - › IEEE 802.11ax, IEEE 802.11be
- › EasyMesh™ release 5
- › **Concurrent dual-band Wi-Fi:**
  - › 2.4GHz (2x2) + 5GHz (4x4)
- › **Wi-Fi Speeds:**
  - › 688 Mbps (2.4 GHz)\*
  - › 5764 Mbps (5 GHz)
- › **Supports:**
  - › 160MHz channel
  - › MLO (Multi-Link Operation)
  - › MU-MIMO
  - › Beamforming
  - › SSID broadcast or hidden
  - › Auto / Manual channel selection
  - › Guest Wi-Fi network with expiry timer
  - › **Wireless security:** WPA2-PSK / WPA3-SAE / Mixed WPA3 / WPA2-PSK

## SECURITY

- › SPI and NAT Firewall
- › MAC and IP filtering
- › Access Control
- › DoS attack prevention
- › Domain filter
- › URL filter

## ROUTING

- › Static Route
- › Dynamic Route (RIP v1/v2)
- › DMZ
- › Layer 2 Bridge Mode
- › Dual stack IPv4/IPv6
- › DDNS
- › Port forwarding
- › Port triggering
- › ALG
- › VLAN tagging
- › VPN pass-through

## ADMINISTRATION

- › Quality of Service
- › UPnP
- › Syslog
- › Web-based UI
- › Remote login
- › TR-069/TR-369 Auto provisioning
- › TR-143/TR-471 performance Measurement
- › Backup / Restore settings
- › Firmware upgrade
- › Auto Firmware upgrade management
- › Supports Aurora App
- › LED control
- › Reset to default / ISP reset

## ENVIRONMENTAL AND PHYSICAL

- › **Operating temperature:**  
0–40°C Humidity: 10%–95% (non-condensing)

- › **Storage temperature:**  
-10–60°C, Humidity: 5%–95% (non-condensing)

- › **DC Input Voltage:**  
12V / 2A

- › **Dimensions:**  
190 (W) x 206 (H) x 50 (D) mm

- › **Weight:**  
0.8kg

## COMPLIANCE

- › RCM
- › NZ Telepermit

\*Maximum wireless signal rates refer to the theoretical speeds based on IEEE 802.11 standards. Actual wireless data speeds, coverage, and the number of connected devices may differ and are not guaranteed, as they depend on factors such as the internet service provider, network conditions, device capabilities, and environmental influences like building construction.

NetComm NF71 Spec Sheet Rev 6

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