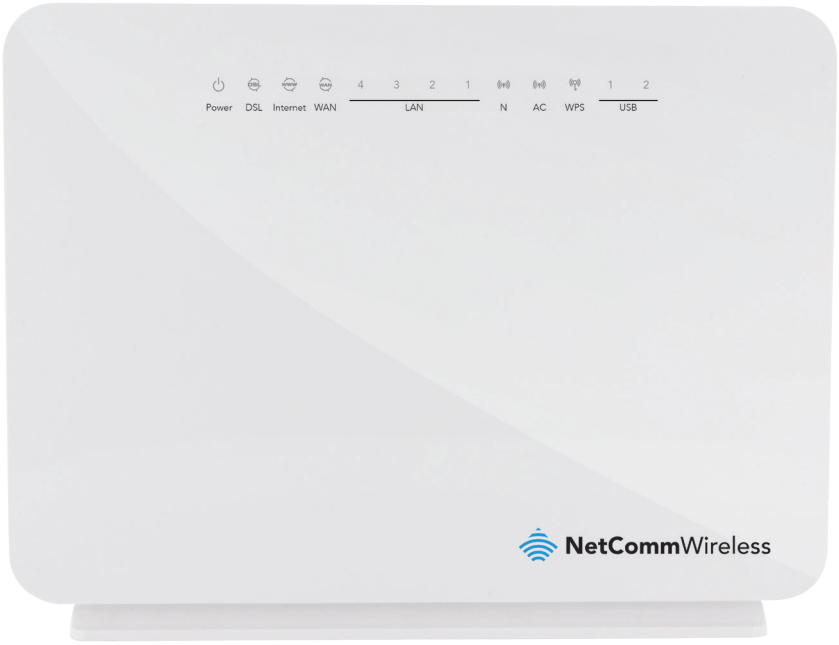
PRODUCT DATASHEET

VDSL / ADSL AC1600 WiFi Gigabit Modem Router



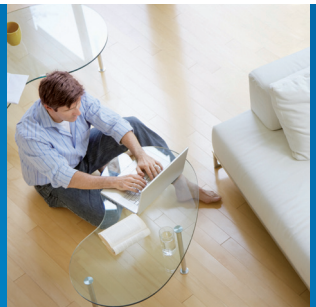
Perfect for

- Connecting to your fixed line DSL service
- Future proofing with a Gigabit WAN port for high speed connection to the NBN and support for IPv6 addressing
- Streaming media and moving files over high speed dual band WiFi
- Creating a storage network to share files saved on a hard drive with all connected users

KEY FEATURES

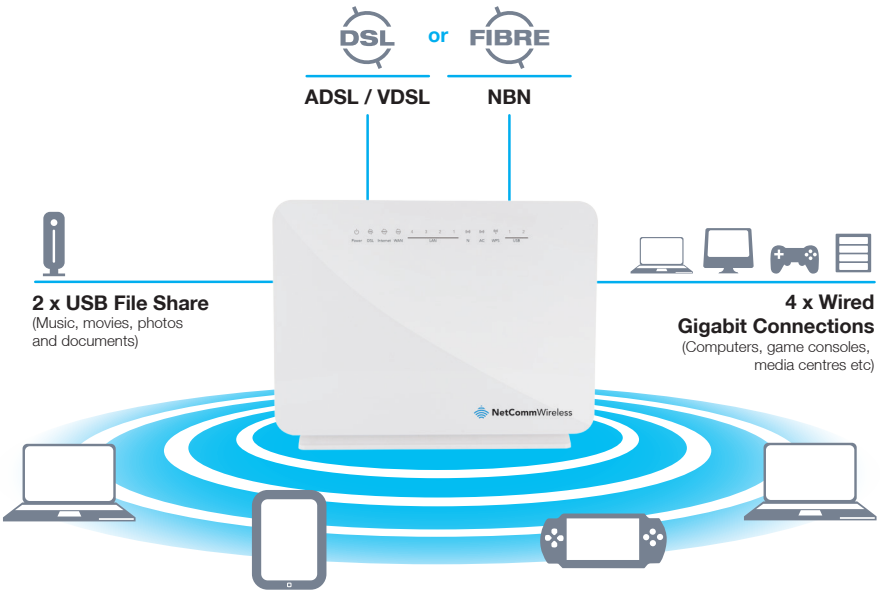
- Fully featured VDSL2 / ADSL2+ Modem Router
- 1 x 10/100/1000 Gigabit Ethernet WAN port for connection to fibre services
- 4 x 10/100/1000 Gigabit Ethernet LAN ports for wired connections
- Supports 802.11ac. WiFi on the 5GHz frequency for speeds up to 1300Mbps
- Supports 802.11n. WiFi on the 2.4GHz frequency for speeds up to 300Mbps
- 2 x USB host ports – supports USB storage device for file sharing
- Built-in media server. Just add a USB hard drive
- NBN ready: carefully developed hardware and software features to ensure this device is optimised for use on the National Broadband Network:
  - Wireline Routing Speeds
  - IGMP Snooping
  - IPTV IGMP V1 V2 Pass through
  - QoS
- IPv6 ready for the next generation IP addressing
- WPS button for simple setup of your wireless network

NetCommWireless



NF8AC

VDSL / ADSL AC1600 WiFi Gigabit Modem Router



Featuring a VDSL2/ADSL2+ modem and a Gigabit WAN port, you can choose whether you connect to the Internet via DSL or a fibre service. If you don't have a fibre connection, the Gigabit WAN port will have you protected should you choose to update in the future. With uncertainty around the future of the NBN, NetComm Wireless NF8AC will have you covered should the network connection switch to VDSL.

This router also includes 2 x USB host ports that can be used to connect USB devices so that their capabilities can be shared will all connected users. Connect a USB hard drive so that all files stored can be accessed and shared.

Sharing these features is easy with the high speed dual band WiFi access point and the Gigabit Ethernet LAN ports. With the latest AC WiFi technology operating on the 5GHz frequency, users can stream data and move files at speeds of up to 1300Mbps. With WiFi N operating on the 2.4GHz frequency, providing speeds of up to 300Mbps, users can decide how they connect and prioritise high bandwidth activity over every day browsing if they wish to do so.

The four Gigabit Ethernet LAN ports provide a high speed wired connection that can be used to connect desktop computers, media devices or any Ethernet equipped product.

1 Maximum wireless signal rate and coverage values are derived from IEEE Standard 802.11ac and 802.11n specifications. Actual wireless speed and coverage are dependent on network and environmental conditions included but not limited to volume of network traffic, building materials and construction/layout.

SPECIFICATIONS

PACKAGE INCLUDES
- NetComm VDSL2/ADSL AC1600 WiFi Gigabit Modem Router
- Power Adapter
- Printed Quick Start Guide
- Ethernet Cable (RJ-45)
- Phone Cable (RJ-11)
- Wireless Security Card
- Warranty Card

ENVIRONMENTAL AND PHYSICAL
- Operating temperature: 0-40ºC, Humidity: 10%-95% non-condensing
- DC Input Voltage 12V/2A
- Dimensions: 190 (w) x 146 (h) x 54 (d) mm (with stand)

DEVICE INTERFACE
- 1 x RJ45 10/100/1000Mbps WAN port
- 1 x RJ11 ADSL / VDSL port
- 4 x RJ45 10/100/1000Mbps LAN ports
- 2 x USB 2.0 Ports (storage)
- 1 x Reset button
- 2 x WPS buttons
- 1 x power jack
- 1 x power switch
- LED (Power/DSL/Internet/WAN/LAN1-4/WiFi N/WiFi AC/WPS/USB1/USB2)

WIFI
- Internal Antenna, 11ac 3T3R, 11n 2T2R
- Supports IEEE 802.11ac, IEEE 802.11n (draft 2.0), IEEE 802.11g and IEEE 802.11b
- Supports 64/128-bit WEP, 802.1x, WPA, and WPA2 for wireless security
- Supports eight SSIDs
- Supports MAC Access/Deny List
- Wireless frequency range, 2400–2483 MHz ISM band and 5710-5835 MHz ISM band

NAS
- File sharing (FAT, NFTS)
- DLNA

ADSL
- G.992.1 (T1.413)
- G.992.2 (G.dmt), G.lite
- G.992.3 (G.bis/ADS L2)
- G.992.5 (ADSL2+)
- ITU-T G.993.5
- Annex A
- Annex L (Reach Extended ADSL2)
- Supports ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs)
- Supports CBR, UBR, VBR-rt, VBR-nrt
- Supports multiple PVCs
- Supports ITU-T i.610F4/F5 OAM

VDSL
- ITU-T G.993.2
- Supports 17a profile

BRIDGING FEATURES
- Self-learning bridge (IEEE 802.1D Transparent Bridging)
- At least 64 learning MAC addresses

ROUTING FEATURES
- RFC768 User Datagram Protocol (UDP)
- RFC791 Internet Protocol (IP)
- RFC792 Internet Control Message Protocol (ICMP)
- RFC793 Transmission Control Protocol (TCP)
- RFC826 An Ethernet Address Resolution Protocol (ARP)
- RFC862 Echo Protocol

SUPPORTS
- IP routing
- transparent bridging
- source and destination routing
- DHCP server/client
- UPnP
- NAT,NAPT
- DMZ
- IP QoS

DEVICE MANAGEMENT
- Web-based Graphical User Interface (GUI) enabling end-user device configuration via HTTP
- Embedded web server
- Download image via HTTP, TFTP client, TFTP server
- Command Line Interface via serial port, telnet
- Menu-driven CLI via serial port or telnet
- Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0)
- Supports WAN Management Protocol (TR-069)

SECURITY
- Three-level login including local admin, local user, and remote technical support access
- Service access control based on incoming interface: WAN or LAN
- Service access control based on source IP addresses
- Protect DOS attacks from WAN: SYN flooding, IP surfing, ping of Death, fragile, UDP ECHO (port 7), teardrop, land
- PAP (RFC1334), CHAP (RFC1994), MSCHAP for PPP session
- IP filter, Parental control

NetCommWireless
NETCOMM WIRELESS LIMITED
Head Office - 18-20 Orion Road, Lane Cove, NSW 2066, Sydney, Australia ABN 85 002 490 486
E: sales@netcommwireless.com

www.netcommwireless.com