

## Netgear love in the September issue of APC whooooo!



-  DLNA CERTIFIED
-  680MHZ PROCESSOR
-  SIMULTANEOUS DUAL-BAND

One of the first DLNA-certified modem/routers in Australia!



**\$279**



### Netgear D600 series DGND3700

DLNA certified, speedy Wi-Fi equipped entertainment beast.

-  netgear.com.au
-  Share content with DLNA devices; excellent Wi-Fi and Ethernet performance.
-  Crowded admin interface; no auto Wi-Fi channel selection.

The DGND3700 is one of the first modem/routers on the Australian market that's DLNA certified – plug in a hard drive and it'll scan the contents and make them available to other DLNA-certified devices. With TV makers realising 3D isn't much of a drawcard, most TVs now have internet and networking capabilities, including DLNA-certification.

We tested with Xbox Media Centre (XBMC) and Windows Media Player 11 as DLNA clients and they showed the Netgear DLNA server immediately and played back DivX AVI files without difficulty. Strictly speaking, the DLNA standard is limited to MPEG-2 as a baseline, with MPEG-4 as an option. DivX/Xvid/MKV is not officially part of the standard, so before you invest in a DLNA TV to go with this router, double-check that it supports playback of the formats you need (don't take the word of the salesman!).

General performance (simultaneous dual-band 802.11n to 300Mb/s) was very good – the third fastest router of the seven we looked at. On an Ethernet-to-Wi-Fi download, we hit 154Mb/s close to the router, 119Mb/s a room away, and 42.3Mb/s at the back of the back garden. A Wi-Fi-to-Wi-Fi transfer achieved 63.8Mb/s.

One small concern is that this router doesn't support auto-channel selection for the Wi-Fi. Given neighbourhoods are becoming increasingly crowded with Wi-Fi networks, this means it's entirely up to you to keep an eye on what channels are least used in your area. We much prefer routers that auto-select the clearest channel.

WAN-to-Ethernet performance was the second fastest we tested, at 429Mb/s – four times faster than an NBN connection will be. A LAN-to-LAN Gigabit Ethernet transfer clocked in at 859Mb/s. It also has an ADSL2+ modem built in if you're not able to get NBN/high speed cable yet.



-  CAN ACT AS VPN SERVER & CLIENT
-  COMPREHENSIVE SECURITY
-  GIGABIT LAN/WAN

Hardcore hardware, with good reporting – find it online for up to 40% less.




**\$949**



### Netgear ProSafe UTM10EW

One very serious piece of hardware.

-  netgear.com.au
-  Active network security.
-  Laggy admin interface on router; no inbuilt Wi-Fi.

You know when a router comes with a kettle-style power plug, a hard metal casing and a cooling fan that blows a significant volume of air that it's a serious piece of hardware. It's rack-mountable, though the mounting gear doesn't come in the box. The UTM10EW provides Sophos anti-virus scanning of all network traffic, anti-spam scanning, web filtering based on content categories, network intrusion detection with email alerts and blocking of many undesirable protocols like BitTorrent and others. It downloads new virus definitions every hour, so it's very promptly updated against emerging malware.

Spam prevention is done by comparing email to a spam signature database by Mailshell, as well as comparing the IP addresses of senders with Spamhaus and Spamcop, and evaluation of mail headers for irregularities. It can't intercept mail through SSL though, which is how Gmail is set up (however Gmail's own spam filters are so good this isn't a major deficiency from a spam-prevention point of view).

There's also very good reporting – you can receive reports by email on a daily or weekly basis that provide tables and graphs showing you statistics on the types of threats the router has blocked, as well as what protocols are using the most traffic (and at what times of day). You'll also get an email alert if, for some reason, the UTM10EW hasn't managed to update one of its signature databases, or if the number of malware blocked events or network intrusions prevented has gone above a certain threshold.

There's no Wi-Fi built in, so we could only test Ethernet performance. This was good, with single user WAN-to-LAN Jperf 346Mb/s and LAN-to-LAN 864Mb/s. These figures will vary depending on the type of traffic passing through the network. Netgear only promises 20Mb/s throughput when anti-virus is inspecting files, and suggests a maximum of 10-15 connected users. You should find this router 40% cheaper online.