

# NR50

Niveo Professional  
Multi-WAN Load Balancing VPN Router



## NR50 Multi WAN load balancing VPN Router



The Niveo Professional NR50 Multi-WAN Load balancing router is developed for managing bandwidths and connectivity in advanced residential and commercial environments. The Router is rack mountable.

### **Up to 4 load balanced WAN ports**

The NR50 provides up to 4 ports that can be used as WAN ports so that the use of **multiple WAN or internet connections** can be used simultaneously and as **failover** when one of the ISP connections fail.

### **VPN Connections**

Whether it is for remote support, or branch office connectivity, the extensive VPN tunneling features of the NR50 offer secure option to connect. Up to 30 IPSec tunnels can be built up simultaneously.

### **Intelligent Bandwidth Management**

The many unique Intelligent Bandwidth Management features allow for complete control of the network usage. Bandwidth can be controlled on SSID, user and device level. Not only controlling the bandwidth available, but also time based scheduling (for instance to avoid the kids downloading after a certain hour), prioritizing and even services based.

### **Behavior Management**

The Internet behavior management function can effectively limit or even block P2P and similar software.

### **Quality of Service**

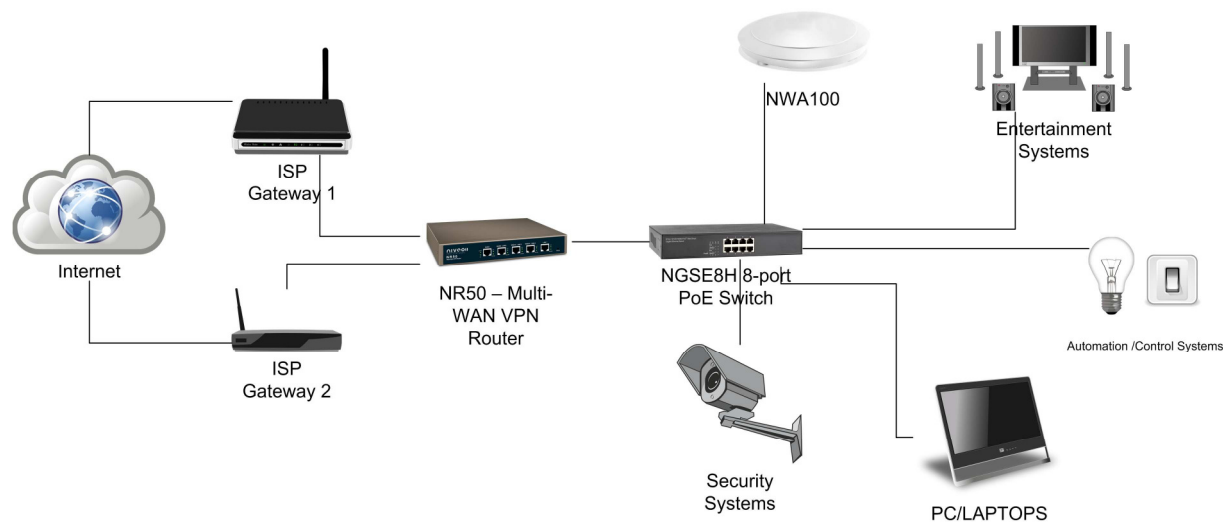
With the Quality of Service management of the NR50 prioritization of data streams can be established. For instance assuring a minimum bandwidth available for security camera signals. Even when HD video is streamed at the same time.

## Applications

The NR50 Multi-WAN load balancing VPN router can be deployed in a wide array of situations for both residential and commercial applications.

It's VPN capabilities ideally allow secure connections with remote locations like branch offices, second homes, office-to-home, security companies and remote support.

The availability of Multiple WAN ports makes both bandwidths and failover between providers optimized for 'always on' networking.





P R O F E S S I O N A L

Connected Smart Lifestyle©

## SPECIFICATION

| Hardware Specifications |   |
|-------------------------|---|
| CPU                     | ARM 550MHz  |
| RAM                     | 128MB   |
| Flash                   | 8MB   |
| Concurrent Sessions     | 32000   |
| Multi-WAN               | Supports up to 4 WAN ports with load balancing  |
| Standards and Protocols | IEEE 802.3, IEEE802.3U, IEEE802.3ab, TCP/IP, DHCP, ICMP, NAT, PPPoE, SNTP, HTTP, DNS, IPSec, PPTP, L2TP               |
| Basic Functions         |   |
| DHCP                    | DHCP Server/Client, DHCP Client List, Static Assignment   |
| MAC Clone               | Modify WAN/LAN MAC Address  |
| Switch Setting          | Port Mirror, Rate Control, Port Config  |
| WAN connection type     | Dynamic IP, Static IP, PPPoE  |
| Advanced Functions      |   |
| Load Balance            | Intelligent Load Balance, Policy Routing, Protocol bridging   |
| NAT                     | One-to-one NAT, Multi-nets NAT virtual Servcer, DMZ Host  |
| Traffic Control         | IP-based Bandwidth control, Limited Bandwidth, Time Scheduled Policy  |
| VPN                     |   |
| IPSec VPN               | 30 IPSec site-to-site tunnels for connectivity to branch office, support network, security network or office to home. |
| PPTP VPN                | 15 Tunnels PPTP   |
| L2TP VPN                | 15 Tunnels L2TP   |
| VPN Pass-through        | IPSec, PPTP, L2TP   |



P R O F E S S I O N A L

Connected Smart Lifestyle©

| Security            |  |
|---------------------|--|
| Application Control | IM, P2P, Proxy, WEB Media, Protocol  |
| IP-MAC Binding      | Static IP-MAC Binding, Dynamic Binding   |
| Attack Defence      | ARP Defence, DDOS Defence  |
| Filter Setting      | Client Filter, URL Filter, MAC Filter  |
| Other               |  |
| Certification       | CE, FCC, RoHS  |
| Power Supply        | AC 100-240V ~ 0.1A 50/60Hz   |
| Dimensions          | 440 x 208 x 44mm / 17,32 x 8,19 x 1,73 Inch  |
| Package content     | NWA100 router, Power cord, User guide, 4 anti slip cushions, 2 L-mounts  |
| Environment         | Operating Temperature: 0°C~40°C (32°F~104°F)<br>Storage Temperature: -40°C~70°C (-40°F~158°F)<br>Operating Humidity: 10%~90% non-condensing<br>Storage Humidity: 5%~90% non-condensing |

\*) NB, All security measures, including in networking are designed and deployed to make attacks or misuse more difficult, but cannot ultimately prevent attacks or breaches.



Niveo Professional  
Communicatieweg 9L  
3641SG Mijdrecht  
The Netherlands  
+31(0) 297 256161  
[www.niveoprofessional.com](http://www.niveoprofessional.com)

Niveo Professional Distributor

Niveo® and Niveo Professional® are registered Trademarks of Netstar Products BV. Niveo®, Niveo Professional® and Connected Smart Lifestyle© Copyright – Netstar Products BV 2010 – 2014 No part of this publication may be reproduced by any process, electronic or otherwise, in any material form without the prior written permission of Netstar Products BV

