

802.11n VDSL2/ADSL2+ with GE WAN

NC-DS224WTV



Features

- Chipset: VSPM310B (CPU 700MHz).
- Memory: 16MB Flash / 128MB RAM.
- 4 x FE ports for LAN, 1 x RJ11 xDSL port, 1 x GE port for WAN, 1 USB port.
- Wireless N speed up to 300Mbps, more than 15 wireless devices can enjoy WiFi.
- Excellent VDSL2 / ADSL2+ high speed Modem Router, providing up to 100Mbps speeds.
- Guest Network Access provides secure WiFi access for guests sharing your network.
- IP based Bandwidth Control makes it easier for you to manage the bandwidth of devices that connected to the modem router.
- WiFi On/Off Switch allows user to simply turn their wireless radio On or Off.
- Easy one-touch WPA wireless security encryption with the WPS button.
- SPI and NAT firewall protects end-user devices from potential attacks from the Internet.
- WPA-PSK / WPA2-PSK encryptions provide user networks with active defense against security threats.
- Simultaneously supports up to 10 IPSec VPN Tunnels.
- Supports IPv6 (Internet Protocol Version 6).
- 6000V Lighting Protection helps your device avoid the damage of tough thunderstorms.

Description

This is an Internet access device, which integrates N300 VDSL2/ADSL2+ and GE WAN access and WLAN 11n. It comes with the latest ITU-T G.993.2 VDSL2 standard, providing up to 100Mbps speed downstream and upstream, and backward compatibility with ADSL. With 300Mbps wireless speed over the 2.4GHz band, the NC-DS224WTV is the better choice for users in search of seamless HD video streaming, online gaming and other network tasks. GE WAN port allows to use NC-DS224WTV in FTTH scenarios.

Specifications

Hardware	
Interface	4 x 10/100Mbps RJ45 FE LAN Ports 1 x 10/100/1000Mbps RJ45 GE WAN Port 1 x RJ11 xDSL port for VDSL2/ADSL2+ 1 x USB 2.0 slot 2 x FXS port for VoIP (optional)
Button	Power On/Off, WiFi/WPS Button, Reset Button
External Power Supply	12VDC / 0.5A
Dimensions (W x D x H)	185 * 148 * 50mm
IEEE Standards	IEEE 802.3, 802.3u, 802.3az
ADSL Standard	Full-rate ANSI T1.413 Issue 2 ITU-T G.992.1 (G.DMT) ITU-T G.994.1 (G.hs) ITU-T G.995.1
ADSL2 Standard	ITU-T G.992.3 (G.dmt.bis)
ADSL2+ Standard	ITU-T G.992.5
VDSL2 Standard	Compliant with xDSL Standard ITU-T G.993.2 (VDSL2) Supports VDSL2 band plan: 997 and 998 Supports VDSL2 profiles: 8a, 8b, 8c, 8d, 12a, 12b, 17a and 30a Supports Annex A, B
Antenna Type	2 x 2.4GHz 5dBi Internal Antennas
Software Features	
Quality of Service	WMM, Bandwidth Control (IP QoS)
Port Forwarding	Virtual Server, Port Triggering, UPnP, DMZ, Manage Control
VPN Pass-Through	PPTP, L2TP, IPSec Pass-Through
ATM/PPP Protocols	ATM Adaption Layer Type 5 (AAL5) Multiple Protocol Over AAL5 (RFC 2684, formerly RFC 148) ATM Forum UNI3.1/4.0 PPP over ATM (RFC 2364) PPP over Ethernet (RFC2516) IPoA (RFC1577/2225) Bridged or routed Ethernet encapsulation VC and LLC based multiplexing OAM F4/F5 ATM QoS: UBR, CBR, VBR-rt, VBR-nrt Dynamic and Static IP IP Unnumbered
Security	NAT Firewall SPI Firewall MAC / IP / URL Filtering
IGMP	IGMP snooping V1 / V2 / V3 IGMP Multicast

Specifications

Software Features	
Advanced Features	Parental Control Traffic Shaping (ATM QoS) UBR, CBR, VBR-rt, VBR-nrt Dynamic Host Configuration Protocol (DHCP), DHCP relay Network Address Translation (NAT) PVC / Ethernet Port Grouping Static Routing, RIP v1/v2 (optional) DNS Relay, DDNS
Management	Web Based Configuration (HTTP) Remote Management Telnet Management Command Line Interface SSL for TR-069 SNMP V1/V2C Web Based Firmware Upgrade CWMP (TR-069) Diagnostic Tools
IPSec VPN	10 IPSec VPN Tunnels LAN-to-LAN Main, Aggressive Negotiation Mode DES, 3DES, AES128, AES192, AES256 Encryption Algorithm MD5, SHA1 Authentication Algorithm Manual, IKE Key Management Mode Dead Peer Detection (DPD) Perfect Forward Secrecy (PFS)
IPv6	IPv6 and IPv4 dual stack Supported IPv6 Tunnels: DS-Lite, 6RD, 6 to 4 Supported IPv6 Connection Type: PPPoEv6, DHCPv6, Static IPv6
Environment	
Operating Temperature	0°C - 40°C (32°F - 104°F)
Storage Temperature	-40°C - 70°C (-40°F - 158°F)
Operating Humidity	10% - 90% non-condensing
Storage Humidity	5% - 90 % non-condensing
Wireless Features	
Wireless Standards	IEEE 802.11a, 802.11b, 802.11g, 802.11n
Frequency	2.4GHz
Transit Power	<20 dBm (EIRP)
Wireless Security	Support 64/128 bit WEP, WPA/WPA2, WPA-PSK / WPA2-PSK Wireless MAC Filtering
Others	
System Requirements	Windows 10/8/7/Vista/XP or Mac OS or Linux-based operating system