

## READYNET AC1000MS VOIP WIRELESS AC ROUTER

**580MHz CPU, dual band 11ac Wi-Fi, FXS ports for VoIP and secure (HTTPS) remote management and provisioning make the ReadyNet AC1000MS an ideal solution for high-speed, high-bandwidth services.**

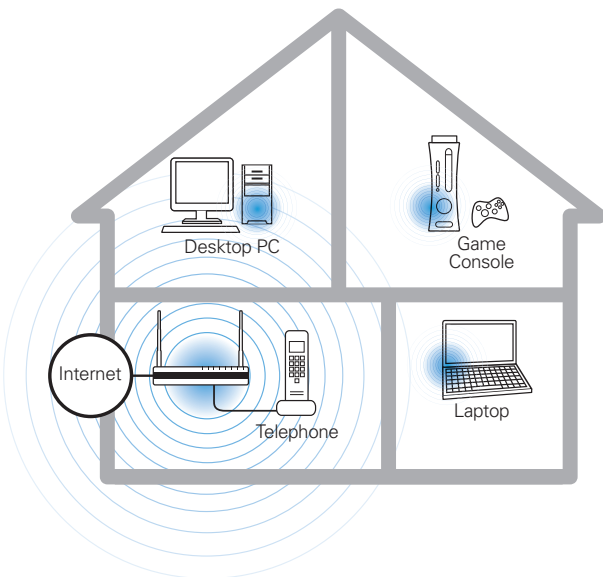
The ReadyNet AC1000MS VoIP Wireless Router combines Ethernet, wireless, and VoIP into a single, feature rich, cost effective solution. It is ideal for home users, home offices, and small offices. The ReadyNet AC1000MS not only provides high quality voice communications and wired Internet sharing capabilities, but also offers IEEE 802.11ac wireless transmission speeds of up to 1200Mbps.

With advanced router features including Quality of Service (QoS), the ReadyNet AC1000MS is able to make calls using SIP proxy voice communications. It uses the SIP V2 and 802.11 AC standards and is compatible with most service providers. It features 2 FXS telephone ports, 5 fast Ethernet ports and 1 Wireless AC access point.



### FEATURES

- 1 WAN and 4 LAN 100BASE-T RJ-45 Ethernet ports (IEEE 802.3)
- Hardware NAT (HNAT) engine with 100Mbps NAT/NAPT speed
- 2.4GHz and 5.0GHz work simultaneously
- 802.11ac - up to 1200Mbps wireless
- 2x2 2.4GHz 802.11 b/g/n (300Mbps)
- 2x2 5.0GHz 802.11 ac (867Mbps)
- 5dBi external antennas
- Two FXS ports for VoIP (SIP) and T.38 Fax
- 3-way conference, call hold/forwarding/transfer/waiting
- 1 USB port for storage and printer
- Option 66, TFTP, HTTP, HTTPS and TR-069 for provisioning



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## GENERAL SPECIFICATIONS

### I/O Interface

- 1 WAN and 4 LAN ports (Ethernet 100 Base-T)
- 2 RJ11 for FXS ports
- 1 USB 2.0 host port
- IEEE 802.11b/g/n, IEEE 802.11ac

### Wireless Features

- 4 SSIDs per radio
- AES (CCMP/TKIP)
- MAC authentication
- WEP authentication
- WPA-PSK/WPA2-PSK
- AP isolation and MBSSID AP isolation
- WMM, WDS, WPS
- RADIUS authentication and billing
- AP and Repeater modes for 2.4GHz and 5.0GHz

### Protocols

- SIP V2 (RFC 3261, 3262, 3263, 3264)
- Backward compatible with RFC2543
- Session timer (RFC4028)
- SDP (RFC2327)
- RTP/RTCP (RFC823/903)
- NAPTR for SIP URI lookup (RFC2915)
- STUN (RFC2030)
- ARP/RARP (RFC 826/903)
- SNTP (RFC 2030)
- DHCP/PPPoE
- HTTP Server for web management
- DHCP option codes for SIP (RFC3361)
- DNS/DNS SRV (RFC1706 and RFC 2782)
- IEEE802.1Q VLAN/802.1p and IP DSCP

### Network Protocols

- NAT mode and Bridge mode
- DDNS support
- MAC address cloning
- SIP proxy redundancy
- NAT Traversal by STUN
- DHCP Server and Client
- IP conflict detection
- VLAN
- Flow control
- Port forwarding, DMZ host, Super DMZ
- Rate limit and MAC filter per port
- Broadcast storm control
- Classification by physical port, IP port, 802.1p, DSCP and TCP/UDP port
- Marking by 802.1p and DSCP
- IPv6 (dual stack)
- MLDv1, MLDv2
- VPN pass through (PPTP, L2TP and IPSec)

### Security Support

- Packet filter for port, IP address, protocol and physical port
- Firewall
- Client certificates for HTTPS provisioning

### Management

- Remote Provisioning and Firmware Upgrade
- Auto provisioning with TFTP, HTTP/HTTPS
- TR-069, TR-104, TR-157, TR-143
- Multi-level Web management interface
- IVR-driven management interface
- Local and remote Syslog (RFC3164)
- SNTP time synchronization
- Telnet
- SNMPv2
- IGMPv2, IGMPv3
- ACL (access control list)

### SIP Features

- G.711 (A-Law, u-Law) with PES2 above 4.1
- G.729 with PESQ above 3.7
- Adaptive jitter buffer management
- Voice activity detection
- Comfort noise generation
- Echo cancellation
- T.30 FAX with G.711
- Realtime FAX over IP via T.38
- Message waiting indicator (RFC3842)
- 3-way conference
- Call hold
- Call forwarding
- Call transfer
- Call waiting
- Caller ID and CWCID
- DTMF relay: inband, outband and SIP Info
- QoS Layer 3
- Call log
- CID/CWCID
- Dial plan
- DTMF mode: inband, outband and SIP Info

### Warranty

- 1 Year Limited Product Warranty