ReadyNet™
CONNECTIVITY SIMPLIFIED

READYNET AC1300M/MS
VOIP WIRELESS AC ROUTER

Secure (HTTPS) Remote Management and Provisioning, Dual Band 11ac Wi-Fi, FXS ports for VoIP and dual-core 880MHz CPU for high-speed, high bandwidth applications such as FttH (Fiber to the Home).
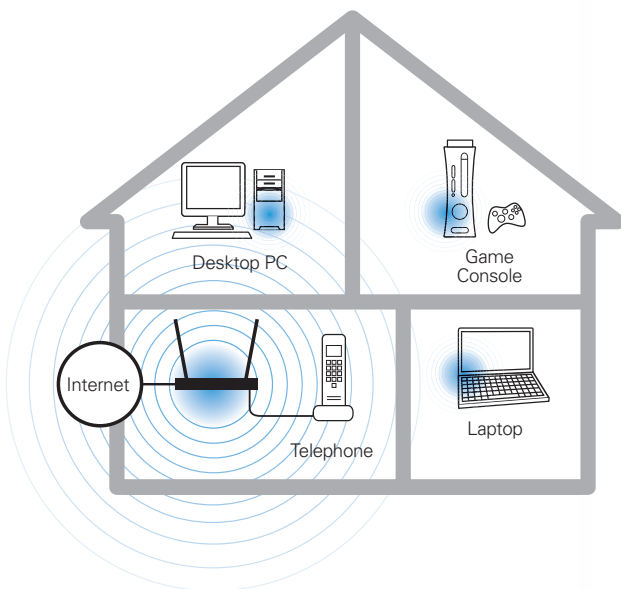
Surf, play online games, stream movies and network your devices with ReadyNet's AC1300M/MS, a great networking and high quality voice communication solution for homes and small offices. With IEEE 802.11ac wireless transmission speeds up to 1200Mbps, 5dBi antennas for extended range, and TR-069 and Option 66 capabilities, the AC1300M/MS is an excellent solution for users and service providers looking for high quality, flexibility and security.

With advanced router features including Quality of Service (QoS), the ReadyNet AC1300M/MS 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. The AC1300M/MS features 1 FXS telephone port.

Desktop PC

Game Console

Internet

Telephone

Laptop

FEATURES

- 1 WAN and 4 LAN 1000BASE-T RJ-45 Ethernet Ports (IEEE 802.3)
- 802.11ac - up to 1200Mbps wireless
- 2.4GHz and 5.0GHz work simultaneously
- Hardware NAT, (HNAT) engine with 1000Mbps NAT/NAPT speed
- TFTP, HTTP, HTTPS, TR-069 and Option 66 for provisioning
- Remote management
- Multi-level web management interface
- Supports 64-bit and 128-bit WEP, WPA/WPA2, WPA-PAK/WPA-PSK encryption
- 5dBi external antennas

www.readynetsolutions.com

ReadyNet
CONNECTIVITY SIMPLIFIED

GENERAL SPECIFICATIONS

I/O Interface
1 WAN and 4 LAN ports (Ethernet 1000 Base-T)
1 RJ11 for FXS 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
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
NAT Traversal by STUN
DHCP Server and Client
IP conflict detection
VLAN
Flow control
Port forwarding, DMZ host, Super DMZ
Rate limit and MAC filler 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 (AC1300MS)
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)
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
SIP proxy redundancy

Warranty
1 Year Limited Product Warranty