

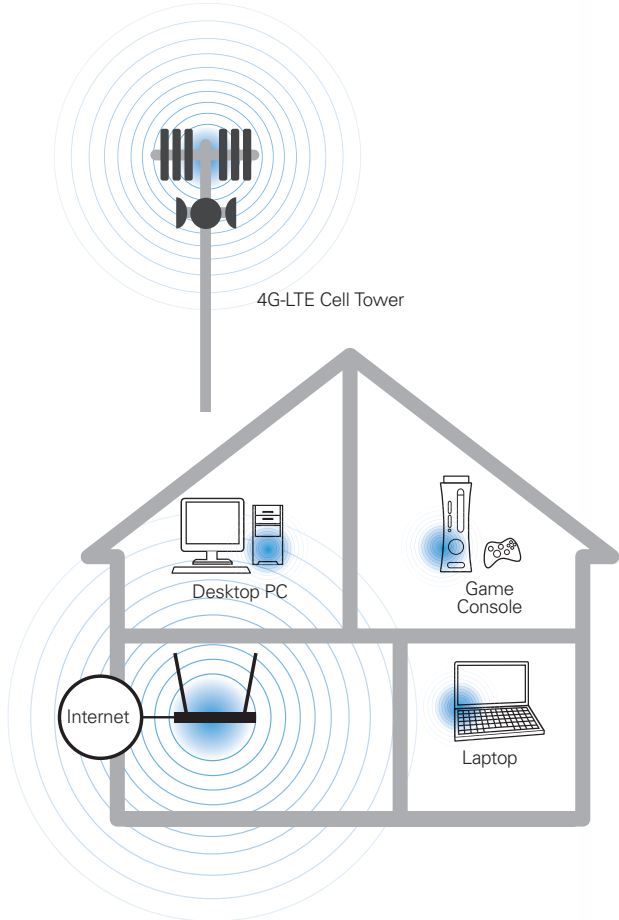
### 3G/4G-LTE 802.11n Wi-Fi Router, Dual VoIP Ports with Superb FAX, Automatic WAN Redundancy, Remote Management (TR-069), Exceptional Performance

ReadyNet LTE520 4G-LTE Wireless N Router is a combined wired/wireless network connection device designed to be the primary Internet access for small business/home offices, kiosks, residences, and as a secondary or backup for Internet access.



#### FEATURES

- Integrated 3G/4G modem
- LTE-FDD Bands 2/4/5/17 ; UMTS/HSDPA/HSDPA+ Bands 2/5
- Hardware NAT, DHCP, security and layer 2 and 3 QoS
- 2X2 2.4GHz 802.11 b/g/n (300 Mbps)
- Supports VoIP FXS ports with SIP and T.38 FAX
- External antenna for LTE, internal antenna for Wi-Fi
- 1 10/100M auto-negotiation RJ45 WAN port, 4 10/100M auto-negotiation RJ45 LAN ports
- Automatic dialing, on-demand dialing, and fixed time dialing
- Built-in firewall features, IP, MAC, URL filtering which flexibly controls online access and time
- 3-way conference, call hold/forwarding/transfer/waiting
- Option 66, TFTP, HTTP, HTTPS and TR-069 for provisioning



**GENERAL SPECIFICATIONS**

**VoIP SoC**

MIPS Single-core 600MHz

**Flash**

16M Flash

**RAM**

64M DDR2 RAM

**Power Supply**

AC/DC Adapter  
AC Input: 100~240V, 50~60Hz  
DC Output: 12V, 1A

**I/O Interfaces**

1 RJ-45 WAN port (Ethernet 100 Base-T)  
4 RJ-45 LAN ports (Ethernet 100 Base-T)  
2 RJ-11 FXS ports  
4G LTE SIM Card

**Environmental**

Operating Temperature: -5°~45° C  
Storage Temperature: -25°~ 85° C  
Relative Humidity: 10%~90% Non-condensing

**Key Feature**

LTE-FDD Bands 2/4/5/17, UMTS/HSDPA/  
HSDPA+ Bands 2/5  
Hardware NAT (HNAT) Engine with  
100Mbps NAT/NAPT Speed  
2X2 2.4G 802.11 b/g/n (300 Mbps)  
Supports VoIP FXS Port with SIP and  
T.38 FAX  
External Antenna for LTE and Wi-Fi

**Audio Codec**

G.711 (A-Law, u-Law) with PESQ above 4.3  
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  
Real Time FAX over IP via T.38

**Protocols**

SIP V2.0 (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  
TFTP/HTTP for Auto Provisioning  
Message Waiting Indicator (RFC3842)  
DHCP Option Codes for SIP (RFC3361)  
DNS/DNS SRV (RFC1706 and RFC 2782)  
IEEE802.1Q VLAN/802.1p and IP DSCP

**Wireless**

802.11 b/g/n support  
4 SSID  
Static WEP (64/128bit)  
Dynamic WEP (64/128bit)  
AES (CCMP/TKIP)  
MAC Certification  
WEP Certification  
WPA-PAK/WPA-PSK(2.0)  
WPA/WPA2  
AP Isolation and MBSSID AP Isolation  
WMM  
WDS  
WPS  
Station List  
RADIUS Certification and Billing  
MAC Filter (different from wired MAC Filter)

**Applications**

LTE  
NAT Mode and Bridge Mode  
DDNS  
MAC Address Cloning  
SIP Proxy Redundancy  
NAT Traversal by STUN  
Built-in Wired Speed NAT Router  
DHCP Server and Client  
IP Conflict Detection  
Port Forwarding, DMZ, SuperDMZ  
802.1Q VLAN/802.1p, DSCP, Rate Limiting  
VPN (PPTP,L2TP, IPSec) Passthrough  
SNTP  
IGMPv2  
Firewall (SYN Flooding, IP Spoofing, Smurf  
Attack, Ping of Death, DoS)

**Management**

Firmware Upgrade  
Web Management Interface  
IVR-driven Management Interface  
Local and Remote Syslog (RFC3164)  
Auto-provisioning  
SNTP Time Synchronization  
Multi-user Level  
SNMP v2  
Telnet  
TR-069  
System Log: Local Log and Remote Log

**Call Features**

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

**Regulatory**

FCC Part 15 Class B  
CE  
RoHS

**Dimensions**

(L) 188 x (W) 155 x (H) 29mm  
Weight - 331g (without package)

**Warranty**

1 Year Limited Product Warranty