Product Overview

Xentino's whole new design OUTDOOR 3G Embedded Solution, users can only plug in a 3G SIM card to enable internet service. Besides, it also allows you to link to DSL/Cable modem for internet connection.

R301M is ideally for users requiring an internet service from far away in signal coverage. For instance, host of ranch house or dude ranch or etc. Perhaps they need to check mail or update information anytime when working at the farm/field. It's really a good partner for host's efficiency improvement that unnecessary to walk long distance for internet service.

802.11 B/G/N · **MAC Filter** · **IP Filter** · **Port Filter** · **URL Filter** · **DMZ** · **WDS**
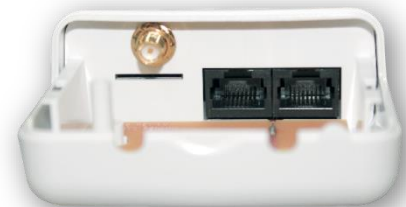
Key Features

- Build-in Qualcomm 3G module
  - HSDPA 7.2Mbps
  - HSUPA 5.76Mbps
  - WCDMA 384Kbps
  - EDGE 237Kbps DL, 118Kbps UL
  - GPRS 85.6Kbps DL, 42.8Kbps UL
- Support advanced 1 x 1 Technology with up to150Mbps downstream and upstream
- Complies with 2.4GHz IEEE802.11n and IEEE802.11b/g standards
- Low Noise Amplifier (LNA) support
- Support 20MHz and 40MHz bandwidth
- Operation mode : Bridge, Gateway, Ethernet Converter
- Wireless security - 64/128bit WEP, WPA TKIP, WPA2AE2, 802.1x
- Support PPPoE, VPN pass-through (L2TP, IPSec and PPTP)
- Wireless mode : AP, Client, WDS
- DHCP Server/Client
- RF output power adjustable
- Virtual DMZ, Port Forwarding, Dynamic DNS
- Firewall, URL/IP/Port/MAC filtering
- Wireless users access control, NTP client
- QoS enhancement - WMM
- WPS by PIN
- Support Power over Ethernet (PoE passive)
- PoE injector with Reset button

External Antenna SMA Connector — **Waterproof Sliding Door**

3G SIM CARD SLOT — **Ethernet Connection**

Product Specifications

Wireless LAN Standard	IEEE 802.11b/g/n
Support 3G Standard	UMTS/ HSDPA / HSUPA/ CDMA
Chipset	Ralink RT3050F
Frequency Band	802.11 b/g/n:2.412GHz ~ 2.484GHz WCDMA : 850/2100MHZ OR 900/2100
Security	64/128bit WEP WPA(TKIP with IEEE 802.1x) WPA2(AES with IEEE 802.1x)
Data Rates for 2.4G	802.11b : 11,5.5,2 and 1 Mbps with auto-rate fall back 802.11g : 54,48,36,24,18,12,9&6Mbps 802.11n : (20MHz) : up to 72Mbps 802.11n : (40MHz) : up to 150Mbps
Data Rates for 3G	HSUPA uplink up to 5.76Mbps HSDPA downlink up to 7.2Mbps WCDMA (UMTS) uplink data rate up to 384 kbps
Sensitivity	-93dBm @ 802.11b -91dBm @ 802.11g -89dBm @ 802.11n
Output Power(Typical)	802.11b: up to 27 ± 1 dBm 802.11g: up to 26 ± 1 dBm 802.11n: up to 22 ± 1 dBm
3G Power Class	WCDMA : power class 3
Media Access Control	CSMA/CA
Antenna	Two SMA Connecters -one for 2.4GHz -one for 3G signal
Operation Mode	Gateway, Bridge, WISP
Wireless Mode	AP, Client, WDS
Connector	One RJ-45 WAN port One RJ-45 LAN port USB(for 3G dongle) SIM card slot Two antenna connectors
Operation Temperature	-0°C ~ 70°C
Storage Humidity	10% ~ 90% (Non-condensing)
Power requirement	12V DC/1.5A
LED	WLAN, LAN, POWER, WAN