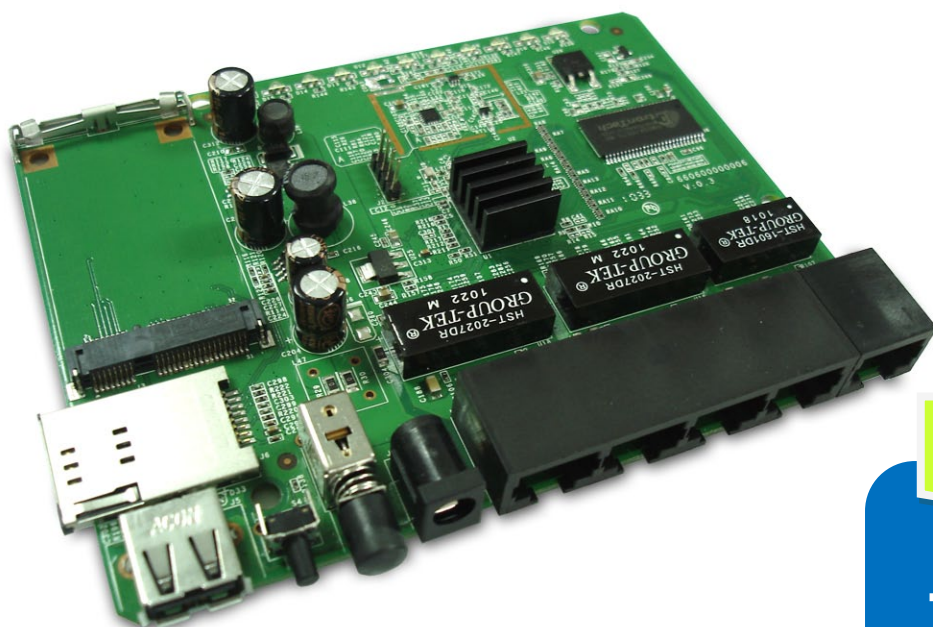


Manna10

Ralink RT3050 based 3G Wireless Broadband Compact Router



Product

Highlight

- Powered with Ralink RT3050 SoC
- Support 802.11n compliant 1T1R MAC/BBP/RF
- 5-port integrated 10/100 Ethernet Switch
- Support: WEP/TKIP/AES/WPS/WPA/WPA2
- 1 x USB2.0 OTG
- 1 x Mini PCI-E connector for 3G
- 1 x SIM card slot

Product

Overview

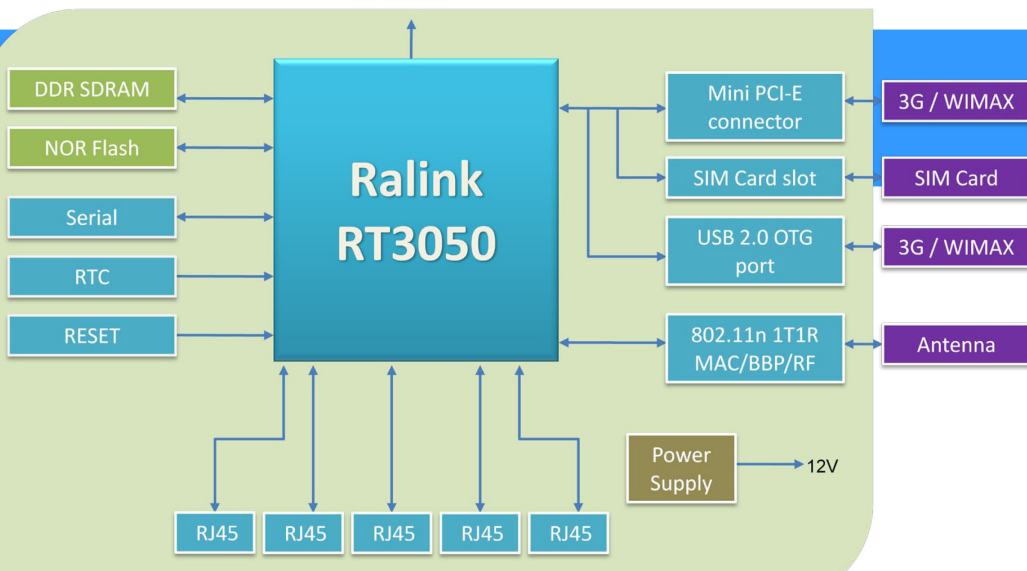
The Manna10 3G wireless broadband compact router is a versatile yet compact router platform to response to fast growing mobile users' need for setting up a wireless network on-the-go to share an Internet connection. It is powered with Ralink RT3050 SoC which employs next generation 11n technology for longer range and better throughput. It enables users to quickly create a secure wireless 802.11n network and provide access to the Internet using a cellular signal. It includes all - five Fast Ethernet ports, a USB 2.0 OTG port, and a mini PCI-E slot for connecting a 3G card. A SIM card slot for 3G is also present on this platform.

This router uses two connection models for 3G broadband – mini PCI-E module and USB modem. It can be customized to get compatible with one or more 3G / WiMax / HSPA PCI mini express cards. The USB port is set to attach a USB 3G modem (selected models).

In addition to the Manna10 3G wireless broadband router, the WAN port can be used to connect to ADSL modem or WAN network which provides wired broadband connection when absent of 3G network. It is designed to meet general needs for SOHO / SME users.

This is a mass production ready product and customers can adopt it directly as an end product. A further customization service is available to help customers to keep low in R&D cost and fast time to market in a competitive global market.

LED Indicators



Contact Information

Flexcomm Limited (HQ)

Flat 204-205, 2/F Laford Center,
838 Lai Chi Kok Road, Cheung Sha Wan,
Kowloon, Hong Kong.
Tel: +(852)-2303-0711
Fax: +(852)-2317-7522

Shenzhen (China) Branch

Flexcomm Technology (Shenzhen) Limited
13th Floor, SangDa Science and
Technology Building.
No 1 Keji Road, Hi-tech Industrial Park,
Nanshan District, Shenzhen 518057 P.R.
China.
Postal Code: 518057
Tel: +(86)-755-8631-6396 / 8631-6325
Fax: +(86)-755-8631-6324

Malaysia Branch

Technollis Sdn. Bhd.
Suite 109, USAINS Holding Sdn. Bhd.
Kompleks Eureka,
Minden USM Sg. Dua, 11800, Penang.
Malaysia.
Tel: +(60)-4-655-1733
Fax: +(60)-4-656-1733

USA Representative

ASTI (USA) Inc.
46734, Fremont Boulevard, Fremont,
CA 94538, USA
Tel: +(1)-510-657-7619
Fax: +(1)-510-657-8651

Hardware

Features

| Feature | Description |
|-----------------------|--|
| Network Processor | Ralink RT3050 SoC, 320MHz |
| Memory | 16MB / 32MB DDR SDRAM |
| Flash | 4MB / 8MB NOR Flash |
| WAN | 1 x 10/100Mbps FE RJ-45 port (Auto MDI / MDIX) |
| LAN | 4 x 10/100Mbps FE RJ-45 port (Auto MDI / MDIX) |
| 3G | Support WCDMA / CDMA2000 or other 3G module through mini PCI-E or USB port |
| Wireless | On board IEEE 802.11n (Backward compatible IEEE 802.11 b/g), 1T1R |
| Antenna | 1 x IPEX connector for antenna |
| USB | 1 x USB 2.0 OTG port, 3G USB dongle supported |
| MiniPCI | 1 x mini PCI express slot |
| LED Indicators | Power / WLAN / LAN / WAN (per device) Link / Activity (per port) |
| HW Reset | 1 x Hardware Reset |
| Power | DC +12V@1A, External Power Adapter |
| Console | 1 x RS232 Pin Header (Optional) |
| Operating Temperature | 0°C ~ 40°C |
| Storage Temperature | -20°C ~ 70°C |
| Operating Humidity | 10% ~ 90% RH non-condensing |
| Storage Humidity | 5% ~ 90% RH non-condensing |
| Dimension | 171mm x 120mm x 27mm |

Software

Features

| Feature | Description |
|-------------------|--|
| WAN Connection | Static IP, Dynamic IP, PPPoE, 3G |
| 3G | WCDMA, CDMA2000 |
| Ethernet Features | IEEE 802.3, IEEE 802.3u, IEEE 802.3x Auto MDI / MDIX, CSMA/CD |
| Routing Features | Static Routing NAT, DNS, DDNS, DHCP Server / Client Virtual Server, DMZ host |
| Wireless Features | IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, CSMA/CA WEP, WPA/WPA2, WPA-PSK, WPA2-PSK encryption |
| Firewall | IP / MAC / Port / URL Filter Web-based GUI |
| Management | System Log Log host NTP |



Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

