

ETR9360

Wireless-N 3G Router & Client Bridge

- 2.4GHz
- 150Mbps
- 3G/3.5G Network Sharing



PRODUCT DESCRIPTION

ETR9360 is a 1T1R Wireless Single chip 11N Pocket AP/Router that delivers up to 3-times faster speed than 802.11g devices while serving with superior performance and unparalleled wireless range. With just the size of your breast-pocket, you can share 3G/3.5G or ADSL network anytime & anywhere without additional bulky adapter. It also comes with easy-to-use WPS function which allows you to setup wireless connection with one-touch.

PACKAGE CONTENT

- 1*802.11n Pocket AP (ETR9360)
- 1*CD (User's Manual)
- 1*Lion Battery
- 1* Power Adapter
- 1*RJ45 cable

ETR9360 Datsheet Version 24052010

*Theoretical wireless signal rate based on IEEE standard of 802.11 b, g, n chipset used. Actual throughput may vary. Network conditions and environmental factors lower actual throughput rate.

** All specifications are subject to change without notice

HOME AND HOME OFFICE

ETR9360

| TECHNICAL SPECIFICATIONS | |
|--------------------------|--|
| > HARDWARE SPECIFICATION | |
| MCU | RT3050, embedded RF/MAC/BB |
| Memory | 32MB SDRAM |
| Flash | 4MB |
| PCB dimension | 80mm * 54mm |
| Physical Interface | WAN/LAN: 10/100 Fast Ethernet RJ-45 x 1 |
| | USB port for 3G |
| | WPS (WiFi Protected Setup) |
| | Mini-USB for Adapter |
| LEDs Status | Operation Mode |
| | Power Status |
| | WAN (Internet) |
| | WLAN(Wireless connection) |
| | WPS |
| Power Requirements | 3G |
| | Lion Battery or Adapter (3.7V 1800mAh) Battery Charger (110~240V) |

| | |
|--------------------------|--|
| > Top Panel (LED status) | |
| Operation Mode | 1 (AP: Orange / Router: Blue / Client Bridge: Green) |
| Power | 1 (Link-> blue static on) |
| WAN | 1 (Link-> blue static on, traffic->blink) |
| WLAN | 1 (Link-> blue on, traffic->blink) |
| WPS | 1 (Link-> Associate Done, Processing->blink) |
| 3G | 1 (Link blue static on) |

| RF SPECIFICATION | | | | | |
|-------------------------------|---|----------------------|--------------|----------------------|--------------|
| Frequency Band | 2.400 ~ 2.484 GHz | | | | |
| Modulation Technology | <ul style="list-style-type: none">● OFDM: BPSK, QPSK, 16-QAM, 64-QAM● DBPSK, DQPSK, CCK | | | | |
| Operating Channels | 11 for North America, 14 for Japan, 13 for Europe | | | | |
| Wireless Setting | <ul style="list-style-type: none">● Wireless Mode – 11b/ 11g /11n● Channel Selection (Setting varies by Country)● Channel Bandwidth (Auto, 20Mhz, 40Mhz)● Transmission Rate<ul style="list-style-type: none">-11g: Best. 54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 in Mbps-11n: | | | | |
| | MCS Index | Guard Interval 800ns | | Guard Interval 400ns | |
| | | 20MHz (Mbps) | 40MHz (Mbps) | 20MHz (Mbps) | 40MHz (Mbps) |
| | 0 | 6.5 | 13.5 | 7.2 | 15 |
| | 1 | 13 | 27 | 14.4 | 30 |
| | 2 | 19.5 | 40.5 | 21.7 | 45 |
| | 3 | 26 | 54 | 28.9 | 60 |
| | 4 | 39 | 81 | 43.3 | 90 |
| | 5 | 52 | 108 | 57.8 | 120 |
| | 6 | 58.5 | 121.5 | 65 | 135 |
| | 7 | 65 | 135 | 72.2 | 157.5 |
| Receive Sensitivity (Typical) | 11b | 1 Mbps | □ -90 dBm | | |
| | | 11 Mbps | □ -87 dBm | | |
| | 11g | 6 Mbps | □ -90 dBm | | |
| | | 54 Mbps | □ -70 dBm | | |
| | 11n / HT 20 | MCS 0 | □ -82 dBm | | |
| | | MCS 7 | □ -64 dBm | | |
| | 11n / HT 40 | MCS 0 | □ -79 dBm | | |
| | | MCS 7 | □ -61 dBm | | |

| | | | |
|--------------------------|--------------------------------|--------------|---------------|
| Available Transmit Power | Mode | Status | Specification |
| | 11b | 1 ~ 11 Mbps | ≥ 16 dBm |
| | | | |
| | 11g | 6 ~ 9 Mbps | ≥ 16 dBm |
| | | 12 ~ 18 Mbps | ≥ 15 dBm |
| | | 24 ~ 36 Mbps | ≥ 14 dBm |
| | | 48 ~ 54 Mbps | ≥ 13 dBm |
| | | | |
| | 11n | MCS 0~1 | ≥ 16 dBm |
| | | MCS 2~3 | ≥ 15 dBm |
| | | MCS 4~5 | ≥ 14 dBm |
| | | MCS 6~7 | ≥ 13 dBm |
| Antenna * 1 | Peak Gain = 2 dBi embedded ANT | | |

| SOFTWARE FEATURES | |
|----------------------|---|
| > ROUTER AND GATEWAY | |
| Topology | Infrastructure |
| Operation Mode | AP/Router/Client Bridge |
| LAN | <ul style="list-style-type: none"> • DHCP Server • Static Routing Table • UPNP |
| WAN | <ul style="list-style-type: none"> • PPTP • PPPoE • Static IP • DHCP Client • Clone MAC |
| Router | <ul style="list-style-type: none"> • NAT/ NAPT • Static Routing • Dynamic Route • Virtual server mapping • IP address mapping • Port Forwarding • Port Triggering • Special application • ALG(Application Layer Gateway) support (RTP/RTSP, AOL, FTP, ICMP, WMP/MMS, NetMeeting, SIP) • DNS Relay |

| | |
|----------|---|
| | <ul style="list-style-type: none"> • DDNS • Time Zone(NTP client) |
| Firewall | <ul style="list-style-type: none"> • Blocking Ping • DoS(Blocking Ping, Port scan, Sync Flood) • MAC / IP Filtering • ICMP Blocking • SPI (Stateful Packet Inspection) • DMZ (Demilitarized Zone) Host • Policy Based Parental Controls <ul style="list-style-type: none"> ➢ Port Range / Service Filtering ➢ Internet Domain Restriction ➢ Dynamic URL Filtering (OEM subscription service) |
| VPN | VPN pass-through (PPTP, L2TP, IPSEC) |
| Wireless | <ul style="list-style-type: none"> • Power saving(Green technology) • 64/128 bit WEP Encryption • WPA Personal (WPA-PSK using TKIP or AES) • WPA Enterprise (WPA-EAP using TKIP) • 802.1x Authenticator • Hide SSID in beacons • Wi-Fi Protection Setup (WPS) • ACL control • Best channel selection • Speed/Bandwidth monitor |
| QoS | <ul style="list-style-type: none"> • WMM • Application base <ul style="list-style-type: none"> ➢ Priority Queue ➢ Bandwidth Allocation |

| MANAGEMENT | |
|-----------------------|---|
| Configuration | Web-based configuration (HTTP) |
| Firmware Upgrade | <ul style="list-style-type: none"> • Via webpage upgrade • Auto recovery once firmware upgrade fail |
| Administrator Setting | <ul style="list-style-type: none"> • Administrator password change • Idle time out |
| WPS button | <ul style="list-style-type: none"> • 2sec WPS Enable • >10sec Reset to Default |
| System monitoring | <ul style="list-style-type: none"> • Speed and Bandwidth monitoring |
| Scheduling | <ul style="list-style-type: none"> • Enable power saving |
| Easy access | <ul style="list-style-type: none"> • User can type model name and access the main page. |
| Install wizard | <ul style="list-style-type: none"> • Guide user to set-up Router smoothly |

| ENVIRONMENT AND PHYSICAL | |
|---------------------------|---|
| Temperature Range | 0 to 40° C - Operating, -10 to 70 ° C - Storage |
| Humidity (non-condensing) | 15% ~ 95% typical |
| Dimensions | 90mm (L) x 63mm (W) x 31mm (H) |

| BATTERY SPECS | |
|-----------------|-------|
| | Hours |
| Device Standby | 13~14 |
| Extreme Loading | 3~4 |
| Normal Loading | 4~5 |
| Battery Charge | 1~2 |