ETR9360

Wireless-N 3G Router & Client Bridge

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

ETR9360 World Smallest . Lightest-weight
802.11N Ultra Speed Travel AP/Router

Ultra-portable
Pocket size and weight 140g only

Built-in Battery

Clear LED indicator
User friendly

31mm
63mm
91mm

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

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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
	3G
Power Requirements	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)

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

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RF SPECIFICATION

Frequency Band	2.400 ~ 2.484 GHz
Modulation Technology	• OFDM: BPSK, QPSK, 16-QAM, 64-QAM • DBPSK, DQPSK, CCK
Operating Channels	11 for North America, 14 for Japan, 13 for Europe
Wireless Setting	• Wireless Mode – 11b/ 11g /11n • Channel Selection (Setting varies by Country) • Channel Bandwidth (Auto, 20Mhz, 40Mhz) • Transmission Rate -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

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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	• DHCP Server • Static Routing Table • UPNP
WAN	• PPTP • PPPoE • Static IP • DHCP Client • Clone MAC
Router	• 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

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	• DDNS • Time Zone(NTP client)
Firewall	• 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 ➢ Port Range / Service Filtering ➢ Internet Domain Restriction ➢ Dynamic URL Filtering (OEM subscription service)
VPN	VPN pass-through (PPTP, L2TP, IPSEC)
Wireless	• 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	• WMM • Application base ➢ Priority Queue ➢ Bandwidth Allocation

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MANAGEMENT	
Configuration	Web-based configuration (HTTP)
Firmware Upgrade	• Via webpage upgrade • Auto recovery once firmware upgrade fail
Administrator Setting	• Administrator password change • Idle time out
WPS button	• 2sec WPS Enable • >10sec Reset to Default
System monitoring	• Speed and Bandwidth monitoring
Scheduling	• Enable power saving
Easy access	• User can type model name and access the main page.
Install wizard	• 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

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