

EnGenius®
Get Connected | Get EnGenius

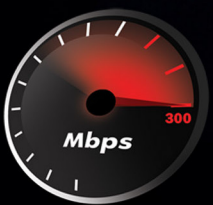
Big features packed in
a small Package!



N-BAND POCKET-SIZED TRAVEL ROUTER **ETR-9350**



9 cm x 6.5 cm x 3 cm



High speed
up to 300Mbps



Supports
3G dongle




Embedded
power adapter
on the device



Magnetic
body

TECHNICAL SPECIFICATIONS

> HARDWARE SPECIFICATIONS

PCB dimension	100mm * 90mm																		
MCU	RT3052, 384MHz embedded RF/MAC/BB																		
Memory	32MB SDRAM																		
Flash	4MB																		
PCB dimension	80mm * 54mm																		
Physical Interface	WAN/LAN: One 10/100 Fast Ethernet RJ-45	Power Jack	WPS (WiFi Protected Setup)	USB port for 3G															
LEDs Status	Operation Mode	Power Status	WAN (Internet)	WLAN(Wireless connection)	WPS	USB port													
Power Requirements	Power Board embedded																		
Top Panel				<table border="1"> <thead> <tr> <th colspan="2">TOP PANEL LED STATUS</th> </tr> </thead> <tbody> <tr> <td>Operation Mode</td> <td>1 (AP/Router/CB variant mode will display variant color)</td> </tr> <tr> <td>Power</td> <td>1 (Link-> blue static on)</td> </tr> <tr> <td>WAN</td> <td>1 (Link-> blue static on, traffic->blink)</td> </tr> <tr> <td>WLAN</td> <td>1 (Link-> blue on, traffic->blink)</td> </tr> <tr> <td>WPS</td> <td>1 (Link-> Associate Done, Processing->blink)</td> </tr> <tr> <td>USB</td> <td>1 (Link blue static on)</td> </tr> </tbody> </table>		TOP PANEL LED STATUS		Operation Mode	1 (AP/Router/CB variant mode will display variant color)	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)	USB	1 (Link blue static on)
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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	<ul style="list-style-type: none"> • 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 <table border="1"> <thead> <tr> <th rowspan="2">MCS Index</th> <th colspan="2">Guard Interval 800ns</th> <th colspan="2">Guard Interval 400ns</th> </tr> <tr> <th>20MHz (Mbps)</th> <th>40MHz (Mbps)</th> <th>20MHz (Mbps)</th> <th>40MHz (Mbps)</th> </tr> </thead> <tbody> <tr><td>0</td><td>6.5</td><td>13.5</td><td>7.2</td><td>15</td></tr> <tr><td>1</td><td>13</td><td>27</td><td>14.4</td><td>30</td></tr> <tr><td>2</td><td>19.5</td><td>40.5</td><td>21.7</td><td>45</td></tr> <tr><td>3</td><td>26</td><td>54</td><td>28.9</td><td>60</td></tr> <tr><td>4</td><td>39</td><td>81</td><td>43.3</td><td>90</td></tr> <tr><td>5</td><td>52</td><td>108</td><td>57.8</td><td>120</td></tr> <tr><td>6</td><td>58.5</td><td>121.5</td><td>65</td><td>135</td></tr> <tr><td>7</td><td>65</td><td>135</td><td>72.2</td><td>157.5</td></tr> <tr><td>8</td><td>13</td><td>27</td><td>14.4</td><td>30</td></tr> <tr><td>9</td><td>26</td><td>54</td><td>28.9</td><td>60</td></tr> <tr><td>10</td><td>39</td><td>81</td><td>43.3</td><td>90</td></tr> <tr><td>11</td><td>52</td><td>108</td><td>57.8</td><td>120</td></tr> <tr><td>12</td><td>78</td><td>162</td><td>86.7</td><td>180</td></tr> <tr><td>13</td><td>104</td><td>216</td><td>115.6</td><td>240</td></tr> <tr><td>14</td><td>117</td><td>243</td><td>130</td><td>270</td></tr> <tr><td>15</td><td>130</td><td>270</td><td>144.4</td><td>300</td></tr> </tbody> </table>			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	8	13	27	14.4	30	9	26	54	28.9	60	10	39	81	43.3	90	11	52	108	57.8	120	12	78	162	86.7	180	13	104	216	115.6	240	14	117	243	130	270	15	130	270	144.4	300
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Receive Sensitivity (Typical)	IEEE802.11n MCS0@ -79dBm MCS7@ -61dBm	IEEE802.11g 6Mbps@ -90dBm 54Mbps@ -70dBm	IEEE802.11b 1Mbps@ -90dBm 11Mbps@ -87dBm																																																																																									
Available Transmit Power	IEEE802.11N MCS7@ 14dBm	IEEE802.11g 6~54 Mbps@ 14dBm	IEEE802.11b 1~11Mbps@ 17.5dBm																																																																																									
Antenna *2	Peak Gain = 2 dBi embedded ANT																																																																																											

SOFTWARE FEATURES

> ROUTER AND GATEWAY					
Topology	Infrastructure				
Operation Mode	AP/Router/CB				
LAN	• DHCP Server	• Static Routing Table		• UPNP	
WAN	• PPTP	• PPPoE	• Static IP	• DHCP Client	• Clone MAC
Router	NAT/ NAPT; Static Routing; Dynamic Router; 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; 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	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	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)			
> PACKAGE CONTENT				
CONTENT OF THE BOX	1*802.11n Pocket AP (ETR9350)	1*CD (User's Manual)	1*AC cord	1*RJ45 cable

a chic and compact sized router
to fulfill your travelling needs!!

