

# ETR9350

802.11b/g/n Pocket-Size AP/Router

- 2.4GHz
- 300Mbps



## PRODUCT DESCRIPTION

ETR9350 is a 2T2R Wireless Single chip 11N Travel AP/Router that delivers up to 6x faster speeds than 802.11g devices. ETR9350 drives superior performance and unparalleled wireless range. With easy to use on the WPS function, it helps users to connect to wireless device with just one push button.

Just leave power adapter behind and enjoy the convenience that embedded power brings. Device can be slipped into your pocket easily and build Wireless Networks somewhere you want. With Clear LED indicator user can identify running operation mode painless

## KEY FEATURES

- 1\*802.11n Pocket AP (ETR9350)
- 1\*QIG
- 1\*CD (User's Manual)
- 1\*AC cord

ETR9350 Datasheet Version 19062009

\*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

# ETR9350

TECHNICAL SPECIFICATION																																																																																										
<b>&gt; Hardware Specification</b>																																																																																										
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 connection) WLAN(Wireless connection) WPS USB port																																																																																									
Power Requirements	Power Board embedded																																																																																									
<b>&gt; Top Panel LED</b>																																																																																										
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)																																																																																									
<b>&gt; RF Specification</b>																																																																																										
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	<p>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</p> <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</th> <th>40MHz</th> <th>20MHz</th> <th>40MHz</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	40MHz	20MHz	40MHz	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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> RF Specification	
Receive Sensitivity (Typical)	<b>IEEE802.11n</b> MCS0@ -79dBm MCS7@ -61dBm <b>IEEE802.11g</b> 6Mbps@ -90dBm 54Mbps@ -70dBm <b>IEEE802.11b</b> 1Mbps@ -90dBm Mbps@ -87dBm
Available transmit power	<b>IEEE802.11N</b> MCS7@ 14dBm <b>IEEE802.11g</b> 6~54 Mbps@ 14dBm <b>IEEE802.11b</b> 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
Router	NAT/ NAPT Static Routing Dynamic Route
Firewall	<ul style="list-style-type: none"> <li>• Blocking Ping</li> <li>• DoS(Blocking Ping, Port scan, Sync Flood)</li> <li>• MAC / IP Filtering</li> <li>• ICMP Blocking</li> <li>• SPI (Stateful Packet Inspection)</li> <li>• DMZ (Demilitarized Zone) Host</li> <li>• Policy Based Parental Controls <ul style="list-style-type: none"> <li>- Port Range / Service Filtering</li> <li>- Internet Domain Restriction</li> </ul> </li> <li>• - Dynamic URL Filtering (OEM subscription service)</li> </ul>
VPN	VPN pass-through (PPTP, L2TP, IPSEC)

Wireless	<ul style="list-style-type: none"> <li>• <b>Power saving(Green technology)</b></li> <li>• 64/128 bit WEP Encryption</li> <li>• WPA Personal (WPA-PSK using TKIP or AES)</li> <li>• WPA Enterprise (WPA-EAP using TKIP)</li> <li>• 802.1x Authenticator</li> <li>• Hide SSID in beacons</li> <li>• Wi-Fi Protection Setup (WPS)</li> <li>• ACL control</li> <li>• Best channel selection</li> <li>• Speed/Bandwidth monitor</li> </ul>
QoS	<ul style="list-style-type: none"> <li>• WMM</li> <li>• Application base <ul style="list-style-type: none"> <li>- Priority Queue</li> <li>- Bandwidth Allocation</li> </ul> </li> </ul>
<b>&gt; Management</b>	
Configuration	Web-based configuration (HTTP)
Firmware Upgrade	Via webpage upgrade Auto recovery once firmware upgrade fail
Administrator Setting	Administrator password change Idle time out
Reset Setting (WPS button)	5sec Reset 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
<b>&gt; Environment &amp; Physical</b>	
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)