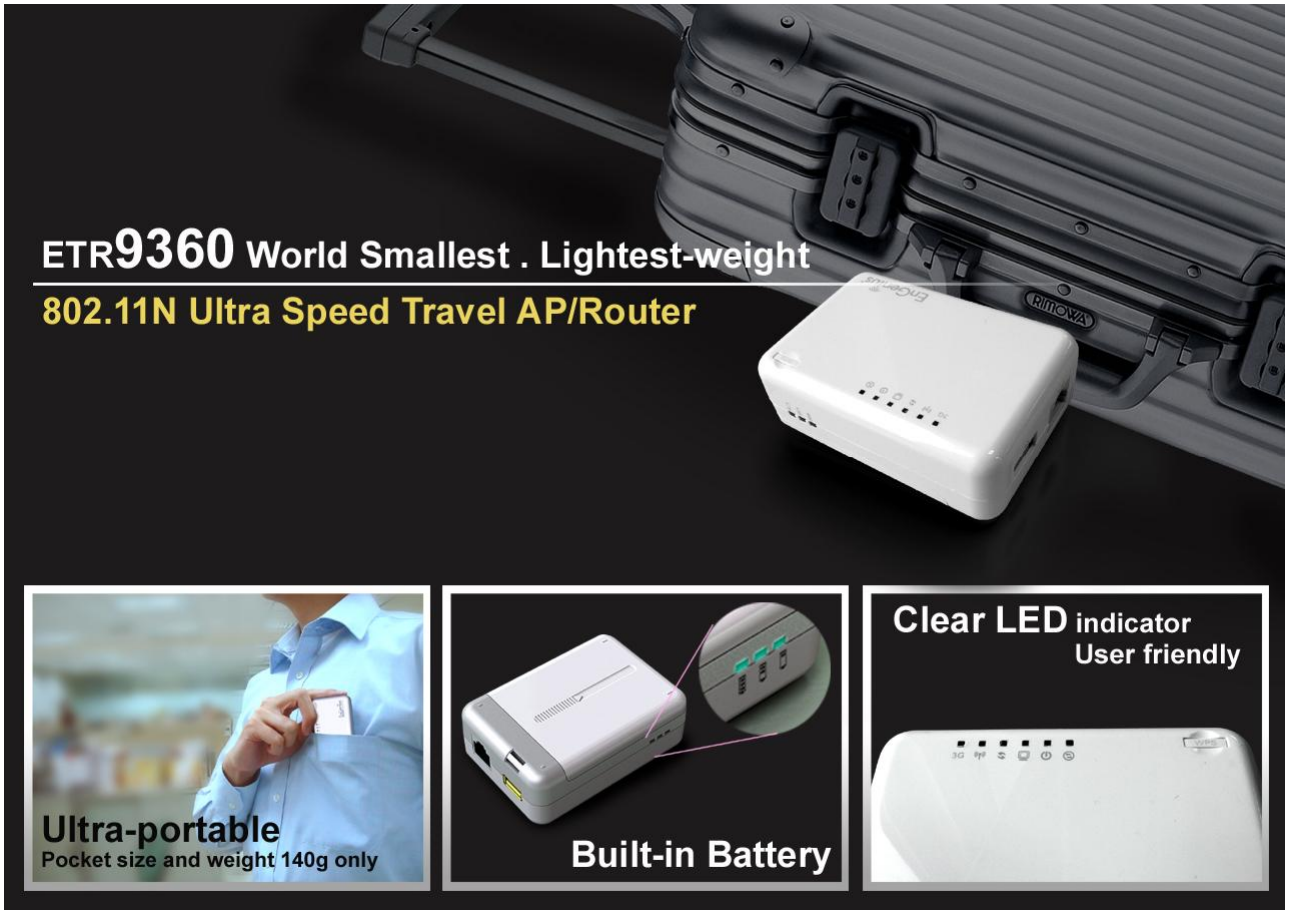
11N Wireless 3G Router & Client Bridge		ETR9360
2.4GHz	150Mbps	3G/3.5G Network Sharing

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.

** All specifications are subject to change without notice.

Technical Specifications

HARDWARE SPECIFICATIONS

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)

** All specifications are subject to change without notice.

RF SPECIFICATION

<table>
<tr><td>Frequency Band</td><td>2.400～2.484 GHz</td></tr>
<tr><td>Modulation Technology</td><td>● OFDM: BPSK, QPSK, 16-QAM, 64-QAM
● DBPSK, DQPSK, CCK</td></tr>
<tr><td>Operating Channels</td><td>11 for North America, 14 for Japan, 13 for Europe</td></tr>
<tr><td>Wireless Setting</td><td>● Wireless Mode ï 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:
<table>
<tr><td rowspan="2">MCS Index</td><td colspan="2">Guard Interval 800ns</td><td colspan="2">Guard Interval 400ns</td></tr>
<tr><td>20MHz (Mbps)</td><td>40MHz (Mbps)</td><td>20MHz (Mbps)</td><td>40MHz (Mbps)</td></tr>
<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>
</table></td></tr>
<tr><td>Receive Sensitivity (Typical)</td><td>
<table>
<tr><td rowspan="2">11b</td><td>1 Mbps</td><td>≦ -90 dBm</td></tr>
<tr><td>11 Mbps</td><td>≦ -87 dBm</td></tr>
<tr><td rowspan="2">11g</td><td>6 Mbps</td><td>≦ -90 dBm</td></tr>
<tr><td>54 Mbps</td><td>≦ -70 dBm</td></tr>
<tr><td rowspan="2">11n / HT 20</td><td>MCS 0</td><td>≦ -82 dBm</td></tr>
<tr><td>MCS 7</td><td>≦ -64 dBm</td></tr>
<tr><td rowspan="2">11n / HT 40</td><td>MCS 0</td><td>≦ -79 dBm</td></tr>
<tr><td>MCS 7</td><td>≦ -61 dBm</td></tr>
</table></td></tr>
</table>

** All specifications are subject to change without notice.

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		

** All specifications are subject to change without notice.

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 • 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)

** All specifications are subject to change without notice.

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

➢ **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

** All specifications are subject to change without notice.

ENVIRONMENT & 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 SPEC:

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

PACKAGE CONTENT

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

** All specifications are subject to change without notice.

Current 3G Support List

Vendor Name	Model Name	Vendor Name	Model Name
Huawei	E161	Option	GlobeSurfer iCON 7.2
	E169G		iCON 225 (GIO 225)
	E169u	Novatel	Ovation MC950D
	E170		U760
	E172	NU	MU-Q101
	E176	Alcatel	XL-150
	E180	Sony Ericsson	MD300
	E220	ZTE	K3765-Z
	E270		MF626
	E272		Vodafone K3520-Z
	E510		Vodafone K3565-Z
	E1750	ASUS	T500
	E1820	AKIO	82D
	EC-1260	PROLiNK	PHS100
	EC-226	D-Link	DWM-156
	E1762	Ciscom	H3G-USB-900
	E1550	SpeedUp	SU-6500U
	EC189		SU-8600U
	Vodafone K3565		SU-9000U
	Vodafone K3765	IVIO	IU-2010U
BandRich (BandLuxe)	C100S	Growell	C803
	C120	Pyramid	PY-806
	C167	Smart (Haier)	CE100
	C270	Pantech	PX-500
Sierra	Aircard 888U (Aircard 888)	Surfing(天翼) DataCard	
	Compass 596	Cess DataCard	
	Compass 885	Nokia	CS-15
	Compass 889	Qisda	H21

遠傳**3.5G**全部支援**:**

E219, BandLuxe C170, E156G & E176G

** All specifications are subject to change without notice.