

| Model Name | ETR9350 | ER9250 | ESR-9752 | ESR-9753 | ESR6650 | ESR6670 | ESR9850 | ESR7750 | ESR-1221EXT | |
|-------------------------------|--|--|--|--|--|--|--|--|---|-----------------------------------|
| ISM BAND | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz, 802.11b/g/n | 2.4 GHz & 5GHz, 802.11a/b/n/g/n | 2.4 GHz, 802.11b/g | |
| HARDWARE SPECIFICATION | | | | | | | | | | |
| PRODUCT PICTURE |  |  |  |  |  |  |  |  |  | |
| CHIPSET | Realtek RTL3052 | Realtek RTL3052 | Realtek RTL3052 | Realtek RTL3050 | Ralink RT3050 | Ralink RT3050 | Ralink RT3052 + Realtek RTL8366RB | Ralink RT3052 + 2880 + 2850 | Realtek RTL8186 | |
| WIFI DATA RATE | 300Mbps | 300Mbps | 300Mbps | 150Mbps | 300Mbps | 300Mbps | 300Mbps | 300Mbps | 54Mbps | |
| 3G | Y | N.A | N.A | N.A | Y | Y | N.A | N.A | N.A | |
| LAN INTERFACE | Share WAN port | 4 * 10/100Mbps | 4 * 10/100Mbps | 4 * 10/100Mbps | 2 * 10/100Mbps | 2 * 10/100Mbps | 4 * 10/100Mbps | 4 * 10/100Mbps | 4 * 10/100Mbps | |
| WAN INTERFACE | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | 1 * 10/100Mbps | |
| MEMORY | 32MB SDRAM | 32MB SDRAM | 32MB SDRAM | 16MB SDRAM | 32MB SDRAM | 32MB SDRAM | 32MB SDRAM | 32MB + 16MB SDRAM | 8MB SDRAM | |
| FLASH | 4MB | 4MB | 4MB | 4MB | 4MB | 4MB | 4MB | 8MB + 2MB | 2MB | |
| 11b TX | 17dbm @ 1 ~ 11Mbps | 19dbm @ 1 ~ 11Mbps | 19dbm @ 1 ~ 11Mbps | 16 dbm @ 1 ~ 11Mbps | 15 dbm @ 1 ~ 11Mbps | 15 dbm @ 1 ~ 11Mbps | 17 dbm @ 1 ~ 11Mbps | 17 dbm @ 1 ~ 11Mbps | 23dbm @ 1 ~ 11Mbps | |
| 11g TX | 6 ~ 9 Mbps ≥ 16 dbm 12 ~ 18 Mbps ≥ 15 dbm 24 ~ 36 Mbps ≥ 14 dbm 48 ~ 54 Mbps ≥ 13 dbm | 16 dbm @ 6 ~ 54Mbps | 16 dbm @ 6 ~ 54Mbps | 15 dbm @ 6 ~ 54Mbps | 15 dbm @ 6 ~ 18Mbps 13 dbm @ 24 ~ 36Mbps 12 dbm @ 48 ~ 54Mbps | 15 dbm @ 6 ~ 18Mbps 13 dbm @ 24 ~ 36Mbps 12 dbm @ 48 ~ 54Mbps | 16 dbm @ 6 ~ 54Mbps | 14 dbm @ 6 ~ 54Mbps | 17 dbm @ 6 ~ 54Mbps | |
| 11n TX | MCS 0~1 / 8~9 ≥ 16 dbm MCS 2~3 / 10~11 ≥ 15 dbm MCS 4~5 / 12~13 ≥ 14 dbm MCS 6~7 / 14~15 ≥ 13 dbm | MCS 0~15 @ > 16dbm | MCS 0~15 @ > 16dbm | MCS 7 @ > 15dbm | MCS 0-3 @ > 15dbm MCS 4-5 @ > 13dbm MCS 6-7 @ > 12dbm | MCS 0-3 @ > 15dbm MCS 4-5 @ > 13dbm MCS 6-7 @ > 12dbm | MCS 0-15 @ > 16dbm | MCS 0-15 @ > 15dbm | N.A | |
| 11a TX | N.A | N.A | N.A | N.A | N.A | N.A | N.A | 14 dbm @ 6 ~ 54Mbps | N.A | |
| 11b/g RX | -90dbm @ 6Mbps -70dbm @ 54Mbps -90dbm @ 1Mbps -87dbm @ 11Mbps (11b, 1Rx) | -92dbm @ 6Mbps -75dbm @ 54Mbps -93dbm @ 1Mbps -91dbm @ 11Mbps (11b, 1Rx) | -92dbm @ 6Mbps -75dbm @ 54Mbps -93dbm @ 1Mbps -91dbm @ 11Mbps (11b, 1Rx) | -90dbm @ 6Mbps -70dbm @ 54Mbps -90dbm @ 1Mbps -87dbm @ 11Mbps (11b, 1Rx) | -90dbm @ 6Mbps -70dbm @ 54Mbps -90dbm @ 1Mbps -87dbm @ 11Mbps (11b, 1Rx) | -86dbm @ 6Mbps -65dbm @ 54Mbps -90dbm @ 1Mbps -86dbm @ 11Mbps (11b, 1Rx) | -86dbm @ 6Mbps -65dbm @ 54Mbps -90dbm @ 1Mbps -86dbm @ 11Mbps (11b, 1Rx) | -92dbm @ 6Mbps -75dbm @ 54Mbps -93dbm @ 1Mbps -91dbm @ 11Mbps (11b, 2Rx) | -75dbm @ 54Mbps -91dbm @ 11Mbps (11b, 2Rx) | -85dbm @ 6Mbps -68dbm @ 54Mbps |
| 11n RX | MCS0/8 @ -82dbm MCS7/15 @ -64dbm (2Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (2Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (2Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (1Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (2Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (2Rx) | MCS0/8 @ -91dbm MCS7/15 @ -74dbm (2Rx) | MCS7/15 @ -75dbm (2Rx) | N.A | |
| 11a RX | N.A | N.A | N.A | N.A | N.A | N.A | N.A | -75dbm | N.A | |
| Antenna | 2 dBi PCB Antenna x 2 | 2 * Dipole external antenna (SMA) & Peak Gain = 2 dBi | 2 * Dipole external antenna (SMA) & Peak Gain = 2 dBi | 1 * Dipole external antenna (SMA) & Peak Gain = 2 dB | 1 * Dipole external antenna (SMA) & Peak Gain = 2 dBi | 2 * Dipole external antenna (SMA) & Peak Gain = 2 dBi | 2 * Dipole external antenna (SMA) & Peak Gain = 2 dBi | 4 * Internal 4dBi antenna & Peak Gain = 4 dBi | 1 * Dipole external antenna (SMA) & Peak Gain = 2 dB | |
| SOFTWARE SPECIFICATION | | | | | | | | | | |
| Operation Mode | AP/Router/CB | Repeater & Client Router | AP/Router/WDS/ Repeater | AP/Router/WDS/ Repeater | AP/Router/WDS | AP/Router/WDS | AP/Router/ Repeater/ WDS AP | AP/Router | AP/Router/WDS/ Repeater | |
| Power Supply | Internal Power | 12V/1A Switching | 12V/1A Switching | 12V/1A Switching | 12V/1.25A Switching | 12V/1A Switching | 12V/1A Switching | 12V/1A Switching | 12V/1A Switching | |
| USB Port | x1 (3G) | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | |
| POE | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | |
| Stream Engine | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | |
| WISH Technology | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | N.A | |
| DHCP | Server | Y | Y | Y | Y | Y | Y | Y | Y | |
| | Client | Y | Y | Y | Y | Y | Y | Y | Y | |
| Static IP | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| UPnP | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| Speed/Bandwidth Monitor | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| DNS/DDNS | Y | N | Y | Y | Y | Y | Y | Y | N.A | |
| DNS Relay | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| PPPoE | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| PPTP | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Clone MAC | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| NAT | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Static Routing Table | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Dynamic Route | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Port Forwarding | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Port Triggering | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Port Mapping | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| MAC Filtering | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| ALG Support | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| QoS | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| VPN Pass-Through | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| WDS | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Firewall | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| ICMP Blocking | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| Media Session | N.A | Y (19000 sessions) | Y (19000 sessions) | N.A | Y (19000 sessions) | Y (19000 sessions) | Y (19000 sessions) | Y (19000 sessions) | N.A | |
| Hide SSID | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| WPS | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| Dos Protection | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| Power Saving Energy | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| MSSID | Y | N | Y | Y | Y | Y | Y | Y (Dual-band) | N.A | |
| Output Power Control | Y | Y | Y | Y | Y | Y | Y | Y | N.A | |
| MAC Address Filter | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| IP Address Filter | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| System Status | Y | Y | Y | Y | Y | Y | Y | Y | Y | |
| Backup/ Restore | Y | Y | Y | Y | Y | Y | Y | Y | Y | |