



## VoWifi launches

| Country            | Operator                     | VoWiFi Status   | VoWiFi Launched |
|--------------------|------------------------------|-----------------|-----------------|
| Australia          | Telstra                      | VoWiFi Launched | 01-Nov-16       |
| Austria            | A1 Telekom (Telekom Austria) | VoWiFi Launched | 17-Jun-16       |
| Brazil             | TIM (Telecom Italia)         | VoWiFi Launched | 02-Aug-16       |
| Canada             | Telus                        | VoWiFi Launched | 12-Dec-16       |
| Canada             | Rogers                       | VoWiFi Launched | 10-Sep-15       |
| Canada             | Bell (BCE)                   | VoWiFi Launched | 25-Sep-15       |
| China              | China Unicom                 | VoWiFi Launched | 12-Jan-16       |
| Czech Republic     | T-Mobile (Deutsche Telekom)  | VoWiFi Launched | 01-Nov-15       |
| Czech Republic     | Vodafone                     | VoWiFi Launched | 18-Jul-16       |
| Denmark            | Telenor                      | VoWiFi Launched | 07-Dec-16       |
| Denmark            | 3 (CK Hutchison)             | VoWiFi Launched | 22-Mar-16       |
| Finland            | Elisa                        | VoWiFi Launched | 29-Sep-16       |
| France             | Orange                       | VoWiFi Launched | 23-May-16       |
| Germany            | O2 (Telefónica)              | VoWiFi Launched | 30-Jun-16       |
| Germany            | Telekom (Deutsche Telekom)   | VoWiFi Launched | 24-Jun-16       |
| Germany            | Vodafone                     | VoWiFi Launched | 31-May-16       |
| Hong Kong          | China Mobile                 | VoWiFi Launched | 18-Jan-16       |
| Hong Kong          | 3 (CK Hutchison)             | VoWiFi Launched | 24-Jun-15       |
| Hong Kong          | SmarTone                     | VoWiFi Launched | 24-Jun-15       |
| Liechtenstein      | Swisscom                     | VoWiFi Launched | 27-Aug-15       |
| Malaysia           | U Mobile                     | VoWiFi Launched | 23-May-16       |
| Netherlands        | Vodafone                     | VoWiFi Launched | 21-Nov-16       |
| Norway             | Telenor                      | VoWiFi Launched | 02-Aug-16       |
| Panama             | Cable & Wireless             | VoWiFi Launched | 21-Feb-16       |
| Poland             | Play (P4)                    | VoWiFi Launched | 19-Oct-16       |
| Poland             | T-Mobile (Deutsche Telekom)  | VoWiFi Launched | 17-Nov-16       |
| Puerto Rico        | AT&T                         | VoWiFi Launched | 01-Aug-16       |
| Romania            | Orange                       | VoWiFi Launched | 13-Sep-16       |
| Russian Federation | MTS (Sistema)                | VoWiFi Launched | 15-Nov-16       |
| Russian Federation | Tele2 (T2-RTK)               | VoWiFi Launched | 24-Nov-16       |
| Saudi Arabia       | Zain                         | VoWiFi Launched | 23-May-16       |
| Singapore          | SingTel                      | VoWiFi Launched | 16-Sep-16       |
| Singapore          | M1                           | VoWiFi Launched | 22-Sep-16       |
| South Africa       | Cell C (Oger Telecom)        | VoWiFi Launched | 01-Oct-15       |
| South Africa       | Vodacom                      | VoWiFi Launched | 18-Aug-15       |
| Spain              | Orange                       | VoWiFi Launched | 23-Mar-16       |
| Sweden             | 3 (CK Hutchison)             | VoWiFi Launched | 30-Mar-16       |
| Switzerland        | Swisscom                     | VoWiFi Launched | 27-Aug-15       |
| Switzerland        | Salt (NJJ)                   | VoWiFi Launched | 14-Jul-15       |
| Thailand           | AIS                          | VoWiFi Launched | 23-Jun-16       |
| Thailand           | DTAC (Telenor)               | VoWiFi Launched | 15-Oct-15       |
| Turkey             | Turkcell                     | VoWiFi Launched | 01-Apr-16       |

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|---------------------------------|-----------------------------|-----------------|-----------|
| <b>United Kingdom</b>           | Vodafone                    | VoWiFi Launched | 16-Sep-15 |
| <b>United Kingdom</b>           | 3 (CK Hutchison)            | VoWiFi Launched | 22-Sep-16 |
| <b>United Kingdom</b>           | EE (BT)                     | VoWiFi Launched | 10-Apr-15 |
| <b>Virgin Islands, U.S.</b>     | AT&T                        | VoWiFi Launched | 01-Aug-16 |
| <b>United States of America</b> | AT&T                        | VoWiFi Launched | 08-Oct-15 |
| <b>United States of America</b> | T-Mobile (Deutsche Telekom) | VoWiFi Launched | 17-Sep-14 |
| <b>United States of America</b> | Sprint (SoftBank)           | VoWiFi Launched | 09-Apr-15 |
| <b>United States of America</b> | Verizon Wireless            | VoWiFi Launched | 08-Dec-15 |