

1.2. Operational Description

The stand-alone OR SERIES carries both voice and facsimile over the IP network. It supports SIP industry standard call control protocol to be compatible with free registration services or VoIP service providers' systems. As a standard user agent, it is compatible to all well-known Soft Switches and VSP(Voice Service Provider)/ SIP proxy servers.

OR SERIES can be seamlessly integrated to existing network by connecting to a phone set, fax machine or PSTN line. With only a broadband connection such as ADSL bridge/router, Cable Modem or leased line router, it allows you to gain access to voice and FAX services over the IP in order to get the convenient of VoIP and reduce the cost of international and long distance calls.

In addition, the in-built router supports comprehensive Internet gateway functions to accommodate other PCs or IP devices to share the same broadband stream. QoS function allows voice and data traffic to flow through where voice traffic is transmitted in the highest priority. With TOS bit enabled, it guarantees voice packets to have first priority to pass through a TOS enabled router.

With the support of DDNS, it makes OR SERIES reachable by its domain name where the ISP dynamically assigns the IP address.

The EUT is a VoIP Wireless Router with a built-in 2.4GHz transceiver. There are 11 channels in 2412 – 2462MHz. The channels are separated by 5MHz. This device supports the data rates of 1, 2, 5.5, 11Mbps in 802.11b mode and 6, 9, 12, 18, 24, 36, 48, 54Mbps in 802.11g mode. The signals are modulated by DSSS in 802.11b mode and OFDM in 802.11g mode. The antenna type is Dipole.