

1.2. Operational Description

The EUT is capable of transferring data with a maximum wireless signal rate of up to 54Mbps* in the 2.4GHz frequency — the same wireless frequency as 802.11b. The EUT also offers four Ethernet ports to support multiple computers.

The advanced wireless technology built into the EUT offers data transfer speeds with a maximum wireless signal rate of up to 54Mbps* through its wireless channels allowing streaming videos and other high bandwidth applications, such as online gaming events, to operate without the hassle of Ethernet cables. The ability to use high bandwidth applications also makes streaming real-time programs more enjoyable and more efficient.

The device delivers Internet sharing, local area network connectivity and security in a single device. The DIR-300 has a 10/100 WAN port for connection to Cable or xDSL modem. The four-port 10/100 Ethernet switch along with the built-in 802.11b/g wireless access point provides network connectivity to multiple machines in the Local Area Network (LAN). With WPS support, user can easy and secure setup their wireless Networks. Supporting Network Address Translation (NAT) allows multiple users to connect to the Internet by sharing a single IP address. The built-in DHCP server assigns IP address to internal hosts on your network. External access to the internal machine such as Web server can be achieved by the DMZ host and Dynamic DNS functions. Additional security functions are provided by the Stateful Packet Inspection (SPI) firewall on network traffic and URL and domain filtering for web content.

The EUT is a SOHO-class network security solution for home, broadband telecommuter and small SOHO