

Product Description of KW5212H

The EUT is a high-performance, single-chip Multimedia Multiservice ADSL2+/VDSL2 Gateway that enables the realization of a cost-effective multimode ADSL2+/VDSL2 router or gateway supporting wire speed small packet routing concurrent with multiport Ethernet switching, IEEE 802.11n wireless networking. The EUT is Powered by 12V DC source.

Circuit Description of KW5212H

Main Processor

Part Name:BCM63168

Location:U101

Function: Integrated 2x2 MIMO IEEE 802.11n Radio supporting 2.4 GHz band operation, Integrated multimode ADSL2+/VDSL2 transceiver and AFE, Four integrated 10/100 Auto-MDIX Fast Ethernet (FE) PHY transceivers, or one integrated 10/100/1000 Auto-MDIX Gigabit Ethernet PHY transceiver with Energy Efficient Ethernet (EEE) support

Line Driver

Part Name:BCM6302

Location:U401

Function:a ADSL2+/VDSL2 line driver.

DDR2 Module

Part Name:H5PS5162GFR/NT5TU32M16DG-AC

Location: U201

Function:DDR2 for application running as working clock is 400MHz.

SPI Flash

Part Name:SFL064A

Location:U211

Function: Memory for software.

Antenna

Part Name:3dbi@2.4GHz

Location:J701 J702

IEEE 802.11 b/g/n compatible, 3dbi Peak Gain