1 Product Descriptions

DSL-255, 11n VDSL2 4-port FE LAN USB2.0H Router, is a versatile, high-speed remote router for home and the small office. Users can embrace the great convenience and efficiency for Internet browsing, P2P applications, on-line gaming etc. either through wired or wireless connectivity.

2 Product Specifications and Features

2.1 H/W Features

2.1.1 Specification

Key Components / Connectors / Performance	
Network Processor	BCM63381
VDSL Analog Front End	BCM6303
Wireless Chipset	11n: BCM43217T(2x2)
Flash Memory	NAND 128MB
RAM for CPU	2x DDR1 64MB (8-bit)
Interfaces (TR-068 compliant)	
LAN	4x 10/100 Base-TX MDI/MDIX RJ-45 ports Compliant with following standards: 1. IEEE 802.3/802.3u 2. Hardware based 10/100, full/half, flow control auto negotiation 3. Non-blocking wire speed reception and transmission 4. Full duplex IEEE 802.3x flow control and half duplex back-pressure flow control 5. Broadcast storm protection 6. Automatic address learning, address aging and address migration 7. Integrated address Look-Up Engine, 1K absolute MAC addresses supported
WAN	1x inner pair RJ-11 ADSL2+/VDSL2 port Data Rate: Downstream: up to 100Mbps (up to VDSL Profile 17a) Upstream: up to 50Mbps Rate Adaptation: Data rate auto-negotiate in 32 kbps increments Performance: TR-067 loop performance compliant TR-100 loop performance compliant Interop performance compliant for ADSL2+

WLAN	**2x2 PCB antennas for 11n** Wireless on/off switch (optional) IEEE 802.11b, IEEE 802.11g, IEEE 802.11n and IEE 802.11ac compliant Data Rate: IEEE 802.11n 20MHz BW: 65, 58.5, 52, 39, 26, 19.5, 13, 6.5Mbps 40MHz BW: 135, 121,5, 108, 81, 54, 40.5, 27, 13.5Mbps Modulation: 802.11n: PSK/CCK, DBPSK, DQPSK, OFDM etc. 802.11g: PSK/CCK, DBPSK, DQPSK, OFDM, BPSK, QPSK, 16QAM, 64QAM 802.11b: CCK(11&5.5 Mbps), DQPSK (2Mbps), DBPSK (1Mbps), DSSS Operating Frequencies: 2.4GHz band for 11n Channel Numbers: <u>2.4GHz for 11n:</u> 11 for North America; 13 for Europe; 14 for Japan
USB	1x USB2.0 Host Support for Samba Access
WPS button	Support (enable or disable WPS)
Reset button	Reset to factory default, press and hold for below 5 seconds.
Power Switch	Power ON/OFF