2010 PRODUCT BROCHURE

BROADCOM.
Connecting
everything™
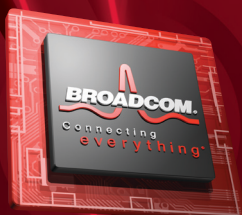
Bluetooth® Silicon and Software Solutions

Broadband Carrier Access (xDSL and GPON)

Broadband Processors

Cable Modems

Cable, Satellite, and IPTV Set-Top Boxes

Carrier and Service Provider Networks

Data Center Networks

Digital TV

Enterprise Networks

GPS

Mobile Communications

Small-to-Medium Business Networks

Voice over IP

Wireless Networks

Broadband Communications

Broadband Carrier Access

GPON Solutions
BCM6800 Family   Single-Chip GPON Gateway Processors

xDSL CO Solutions
BCM6511/6526	Central Office High-Density Multi-DSL Chipset (Multimode ADSL2+/VDSL2)
BCM6512/6522	Central Office Very-High-Density ADSL2+ Chipset (All Annexes)
BCM6515	High-Performance VoIP Digital Signal Processor
BCM6516/6524	Central Office High-Performance Multi-DSL FTTB Chipset (Multimode ADSL2+/VDSL2)

xDSL CPE Solutions
Combo Solutions
BCM6362	Single-Chip IAD with Integrated ADSL2+, 802.11n, and DECT

xDSL CPE ICs
BCM6306	VDSL2 30 AMP/6-Band and Channel Bonding Analog Front-End
BCM6338	ADSL2+ Router Solution
BCM6348	Single-Chip ADSL2+ CPE Chip
BCM6358	Single-Chip ADSL2+ Integrated Access Device Solution
BCM6362	Single-Chip IAD with Integrated ADSL2+, 802.11n, and DECT
BCM6368	Residential VDSL2/ADSL2+ Gateway Solution

Cable

Cable Modem Solutions
Cable Modem ICs
BCM3320	Broadband Media Processor with Integrated MoCA®
BCM3329	Broadband Network Processor with Integrated MoCA®
BCM3349	QAMLink® DOCSIS®/EuroDOCSIS™ 2.0 Single-Chip Cable Modem
BCM3371	Integrated DOCSIS®/EuroDOCSIS™ 2.0 High-Performance Data Gateway
BCM3373	Integrated DOCSIS®/EuroDOCSIS™ 2.0 Single-Chip 2-Line VoIP Business Services Gateway
BCM3378	Integrated DOCSIS®/EuroDOCSIS™ 2.0 Single-Chip Embedded Multimedia Terminal Adapter
BCM3379	Integrated DOCSIS®/EuroDOCSIS™ 2.0 Embedded Multimedia Terminal Adapter and Gateway
BCM3380	Integrated DOCSIS®/EuroDOCSIS™ 3.0-Based Silicon Solution
BCM3381	Integrated DOCSIS® 2.0+ Single-Chip Channel Bonded Cable Modem

Silicon Tuner ICs
BCM3410	QAM Low-Noise Amplifier (LNA)
BCM3421	Advanced Direct Conversion Cable Tuner
BCM3422	1 GHz Low-Power Digital Cable Silicon Tuner

Cable Set-Top Box Solutions
Demodulation/Modulation ICs
BCM3252	Dual-Channel Front-End DOCSIS® 2.0+ STB IC with Channel Bonding
BCM3255	Single-Chip Front-End DOCSIS® 2.0+ IC for HD DVR Set-Tops and Media Centers
BCM3510	HDTV/CATV Receiver
BCM3520	ATSC/VSB/NTSC Digital Cable-Ready DTV Receiver
BCM3545	QAM Digital Receiver
BCM3560	Digital TV System-on-Chip

Silicon Tuner ICs
BCM3405	Multichannel Low-Noise Amplifier (LNA)
BCM3416	Advanced Digital Cable Tuner
BCM3418	Direct Conversion Cable Tuner
BCM3450	MoCA® Power Amplifier/Low-Noise Amplifier (LNA)
BCM7003	SD Cable Interactive Receiver with USB DVR
BCM7004	SD Cable Basic Receiver

Cable Set-Top Box Solutions *(cont.)*
Single-Chip Set-Top Box ICs

BCM7019	HD Cable SoC
BCM7025	HD Cable SoC with Integrated MoCA® 1.1
BCM7038	Dual High Definition Digital Video System-on-Chip Solution for Cable, Satellite, and DTV
BCM7043	HD/SD AVC/MPEG Video/Audio Encoder and Transcoder/ Transcaler/Transrater
BCM7115	Single-Chip Cable Set-Top Box with DVR
BCM7118	Single-Chip Digital Cable Set-Top Box with DOCSIS® 2.0 and Channel Bonding
BCM7119	HD Cable SoC
BCM7125	HD Cable SoC with Integrated MoCA® 1.1
BCM7205	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable DVR STBs
BCM7206	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable USB DVR STBs
BCM7309	Single-Chip Back-End Set-Top Decoder
BCM7400	Dual AVC/MPEG-2/VC-1 HD Digital Video Decoder for Satellite, IP, and Cable
BCM7403	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable DVR STBs with Watch-and-Record DVR
BCM7404	AVC/MPEG-2/MPEG-4/DivX®/VC-1 HD Digital Video SoC for Satellite, IP, and Cable
BCM7405	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable STBs with Picture-in-Picture
BCM7410	Multiformat HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7420	Multiformat Dual HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7452	AVC/MPEG-2/VC-1 HD Decode/SD Display SoC Solution for DVRs
BCM7454	AVC/MPEG-2/VC-1/SD Output System-on-Chip Solution
BCM7466	Multiformat SD Digital Video/Audio SoC for Satellite, IP, and Cable STBs

CMTS Products

BCM3034	Universal 1024-QAM Modulator
BCM3040	Universal DOCSIS® 2.0-Based Downstream Modulator
BCM3138	Dual Universal DOCSIS®/EuroDOCSIS™ 1.1 Burst Receiver
BCM3140	Dual Universal DOCSIS®/EuroDOCSIS™ 2.0 Burst Receiver
BCM3142	12-Channel Universal DOCSIS®/EuroDOCSIS™ 3.0 Burst Receiver
BCM3212	DOCSIS®/EuroDOCSIS™ 1.1 Advanced CMTS MAC
BCM3214	DOCSIS®/EuroDOCSIS™ 2.0-Based CMTS MAC
BCM3215	Octal Downstream DOCSIS®/EuroDOCSIS™ 3.0-Based CMTS MAC
BCM3216	Upstream DOCSIS®/EuroDOCSIS™ 3.0-Based CMTS MAC

High Definition Audio/Video/Graphics System Processors

BCM3510	HDTV/CATV Receiver
BCM3520	ATSC/VSB/NTSC Digital Cable-Ready DTV Receiver
BCM4501	Dual DVB-S2 Advanced Modulation Satellite Receiver
BCM7020	High Definition Video Graphics Subsystem
BCM7021	High Definition Video PCI Subsystem with 2D Graphics
BCM7030	High Definition Video UMA Subsystem with 2D/3D Graphics
BCM7031	High Definition Video PCI Subsystem with 2D/3D Graphics
BCM7035	High Definition Video Graphics UMA Subsystem and Mixer with DVI
BCM7038	Dual High Definition Digital Video System-on-Chip Solution for Cable, Satellite, and DTV
BCM7400	Dual AVC/MPEG-2/VC-1 HD Digital Video Decoder for Satellite, IP, and Cable

Cable *(cont.)*

High Definition Audio/Video/Graphics System Processors (cont.)

BCM7400B	Dual AVC/MPEG-2/VC-1/MPEG-4 Part 2/DivX® HD Digital Video SoC Solution for Satellite, IP, and Cable
BCM7402	AVC/MPEG-2/VC-1 HD non-DVR Digital Video for Cable, Satellite, and IP Set-Top Boxes
BCM7410	Multiformat HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7411D	AVC/MPEG High Definition Decoder for Blu-ray™ HD DVDs
BCM7412	AVC/VC-1/MPEG High Definition Decoder for Blu-ray™ and HD DVDs
BCM7420	Multiformat Dual HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs

MPEG-2 Digital Audio/Video Encoders

BCM7043	HD/SD AVC/MPEG Video/Audio Encoder and Transcoder/Transcaler/Transrater

Consumer Electronics

Blu-ray™ High Definition DVD Solutions

BCM7601	SoC Decoder Solution for Blu-ray™ High Definition DVD Players
BCM7620	Single-Chip Optical Front-End Solution for Blu-ray™ High Definition DVD Players
BCM7630	Single-Chip Front- and Back-End Solution for Blu-ray™ High Definition DVD Players and Networked Applications
BCM7632	Single-Chip Solution for Blu-ray™ High Definition DVD Players, Recorders, and Networked Applications

High Definition Audio/Video/Graphics System Processors

BCM3510	HDTV/CATV Receiver
BCM3520	ATSC/VSB/NTSC Digital Cable-Ready DTV Receiver
BCM7400	Dual AVC/MPEG-2/VC-1/MPEG-4 Part 2/DivX® HD Digital Video SoC Solution for Satellite, IP, and Cable
BCM7410	Multiformat HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7420	Multiformat Dual HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs

Netbook and Nettop Solutions

BCM70012	AVC/VC-1/MPEG PCI Express® HD Decoder Chipset for Netbooks/Nettops
BCM70015	Low-Power PCI Express® HD Media Processor

Digital TV

Digital TV Solutions

BCM35421	FRC Panel Processor
BCM35243	Full HD 1080P Multiformat Decoder-Connected Digital TV SoC
BCM3548	WXGA Multiformat Decoder-Connected Digital TV System-on-Chip
BCM3549	Full HD 1080P Multiformat Decoder-Connected Digital TV System-on-Chip

IPTV

IPTV Solutions

BCM7205	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable DVR STBs
BCM7206	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable STBs
BCM7208	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable STBs
BCM7405	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable STBs with Picture-in-Picture
BCM7407	AVC/MPEG-2/VC-1 HD DVR for Cable, Satellite, and IP STBs

IPTV *(cont.)*

IPTV Solutions *(cont.)*

BCM7408	AVC/MPEG-2/VC-1 HD DVR for Cable, Satellite, and IP STBs
BCM7413	Multiformat HD Digital Video/Audio SoC with DVR and 3D Graphics
BCM7414	AVC/MPEG-2/VC-1 HD Digital Video for Cable, Satellite, and IP STBs
BCM7452	AVC/MPEG-2/VC-1 HD Decode/SD Display SoC Solution for DVRs
BCM7466	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable STBs
BCM7468	Multiformat SD Digital Video/Audio SoC for Satellite, IP, and Cable STBs
BCM7550	Multiformat SD Digital Video/Audio SoC for Satellite, IP, and Cable STBs

Satellite

HDTV/SDTV Video, Graphics, and Receiver Products

BCM3430	8PSK Digital Satellite Tuner
BCM4505	DVB-S2 Advanced Modulation Satellite Receiver
BCM4506	Dual DVB-S2 Advanced Modulation Satellite Receiver
BCM7400	Dual AVC/MPEG-2/VC-1/MPEG-4 Part 2/DivX® HD Digital Video SoC Solution for Satellite, IP, and Cable

MPEG-2 Digital Audio/Video Encoders

BCM7043	HD/SD AVC/MPEG Video/Audio Encoder and Transcoder/Transcaler/Transrater

Satellite Set-Top Box Solutions

BCM7205	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable DVR STBs
BCM7206	Multiformat HD Digital Video/Audio SoC for Satellite, IP, and Cable USB DVR STBs
BCM7312	Single-Chip Satellite Set-Top Decoder
BCM7324	Standard Definition Satellite System-on-Chip with Integrated DVB-S2
BCM7325	High Definition Satellite System-on-Chip with Integrated DVB-S2
BCM7334	Standard Definition DVR Satellite System-on-Chip with Integrated DVB-S2
BCM7335	High Definition DVR Satellite System-on-Chip
BCM7340	HD Satellite SoC with Power Management and MoCA® for Home Networking
BCM7342	HD DVR Satellite SoC with Power Management and MoCA® for Home Networking
BCM7350	HD Satellite SoC with Power Management
BCM7352	HD DVR Satellite SoC with Power Management
BCM7408	Thin Client SoC with Integrated MoCA®
BCM7466	Multiformat SD Digital Video/Audio SoC for Satellite, IP, and Cable STBs

Voice over IP (VoIP)

Ethernet IP Phone Solutions

BCM1101	Enterprise IP Phone Chip
BCM1103	Gigabit IP Phone Chip
BCM1104	Gigabit IP Phone Chip
BCM11107	Enterprise Multimedia IP Communications Processor
BCM1113	IP Phone Chip
BCM1113R	IP Phone Chip
BCM1115	Single-Port VoIP CPE Engine
BCM1115R	Single-Port VoIP CPE Engine
BCM11181	High Definition 720P Multimedia Coprocessor
BCM1180	High-Performance VoIP Multimedia Processor
BCM1190	IP Phone Chip

Voice over IP (VoIP) *(cont.)*

Stand-Alone Media Terminal Adapters
BCM1111   VoIP CPE Engine

Wi-Fi® Phone Solutions
BCM1161   Mobile VoIP Processor
BCM2702   High-Performance Mobile Multimedia Processor
BCM4318E   802.11b/g Transceiver with BroadRange® Technology
BCM91161   Wi-Fi® Phone Reference Design
BCM91161VP   Wi-Fi® Video Phone Reference Design

Mobile & Wireless

Bluetooth®

Bluetooth® RF Silicon and Software Solutions
Combo Solutions
BCM2048   Bluetooth® EDR + FM Radio Single-Chip Solution
BCM2049   Single-Chip Bluetooth® 2.1 + EDR with
                 Integrated FM Transceiver
BCM2075   Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR,
                 and Integrated FM Transceiver
BCM4325   Low-Power 802.11a/b/g with Bluetooth® 2.1 + EDR and FM
BCM4329   Low-Power 802.11n with Bluetooth® 2.1 + EDR and FM
                 (TX and RX)
Blutonium® Bluetooth® Silicon
BCM2004   Bluetooth® Radio for QUALCOMM®-Based Handsets
BCM2042   Advanced Wireless Keyboard/Mouse Bluetooth® Solution
BCM2044   Single-Chip Bluetooth® Mono Headset IC
BCM2044S   ROM-Based Noise and Echo Reduction Mono Headset IC
BCM2045   Advanced Single-Chip Bluetooth® Solution
BCM2046   Single-Chip Bluetooth® EDR HCI Solution
BCM2047   Single-Chip Bluetooth® Wireless Audio Solution with DSP
BCM2048   Bluetooth® EDR + FM Radio Single-Chip Solution
BCM2049   Single-Chip Bluetooth® 2.1 + EDR with
                 Integrated FM Transceiver
BCM2070   Single-Chip Bluetooth® 2.1 + EDR HCI Solution
BCM20740   Advanced Headset Solution with Fast Charge and
                 Wind Noise Reduction
BCM20741   ROM-Based, Single-Microphone, Mono Headset IC with Noise
                 and Echo Reduction
BCM20742   ROM-Based, Dual-Microphone, Mono Headset IC with Noise
                 and Echo Reduction
BCM2075   Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR,
                 and Integrated FM Transceiver
BCM4325   Low-Power 802.11a/b/g with Bluetooth® 2.1 + EDR and FM
BCM4329   Low-Power 802.11n with Bluetooth® 2.1 + EDR and FM
                 (TX and RX)
Widcomm® Bluetooth® Software
BCM1000-BTLA   Bluetooth® Communications Software for Android™ Mobile
                 Technology Platform
BCM1000-BTW   Bluetooth® Communications Software for Windows®
BCM1000-BTWM   Bluetooth® Communications Software for Windows Mobile®
BCM1000-VPP   Bluetooth® Communications Software for
                 Windows® 7 and Vista®
BCM1200-BTE   Bluetooth® Communication Software for Embedded Systems
BCM1200-BTEM   Bluetooth® Communication Software for Mobile Phones
BCM1600-BTE   BTE-Audio Software and Development Environment

Cellular

2G Baseband Processors
BCM21331   Single-Chip 65 nm EDGE Baseband + RF + Multimedia

3G Baseband Processors
CellAirity Mobile Platform
BCM2153   7.2 Mbps HEDGE 65 nm Multimedia Baseband Processor

Cellular RF
BCM21331   Single-Chip 65 nm EDGE Baseband + RF + Multimedia

Mobile Multimedia Processors
BCM2727   High Definition 720p Mobile Multimedia Processor
BCM2763   High Definition 1080p Mobile Multimedia Processor

Mobile TV Receivers
BCM2930   DVB-T Single-Chip Tuner + Demodulator for Mobile Applications
BCM2940   DVB-H and DVB-T Single-Chip Tuner + Demodulator
       for Mobile Applications

Power Management Solutions
BCM59002   Mobile Power Management Unit
BCM59035   Mobile Power Management Unit
BCM59040   Mobile Power Management Unit

GPS

GPS Silicon Solutions
Combo Solutions
BCM2075   Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR,
       and Integrated FM Transceiver
GPS Silicon ICs
BCM2075   Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR,
       and Integrated FM Transceiver
BCM4750   Single-Chip AGPS Solution
BCM4760   Personal Navigation System-on-Chip

Location-Based Services
AGPS-WWRN   Assisted-GPS Worldwide Reference Network
LTO-AGPS   Long Term Orbits (LTO) with Assisted-GPS (AGPS)
SUPL-SLP   Hosted Secure User Plane Location (SUPL)
       Location Platform (SLP)

Mobile Multimedia

Mobile Multimedia Processors
BCM2727   High Definition 720p Mobile Multimedia Processor

Wireless LAN

802.11 Wireless LAN Solutions
Combo Solutions
BCM4325   Low-Power 802.11a/b/g with Bluetooth® 2.1 + EDR and FM
BCM4329   Low-Power 802.11n with Bluetooth® 2.1 + EDR and FM
       (TX and RX)
BCM94312HMGB   802.11g and Bluetooth 3.0 Half MiniCard Reference Design
BCM943224HMB   Dual-Band 802.11n and Bluetooth 3.0 Half
       MiniCard Reference Design
BCM943225HMB   Single-Band 802.11n and Bluetooth 3.0 Half
       MiniCard Reference Design
802.11 WLAN ICs
BCM2050   802.11b/g Radio (2.4 GHz)
BCM2055   Intensi-fi® 802.11n Radio (2.4/5 GHz)
BCM2060   802.11a Radio (5 GHz)
BCM4312   802.11a/b/g Transceiver for SDIO and PCI Express®
BCM4318E   802.11b/g Transceiver with BroadRange® Technology
BCM4322   Intensi-fi® Single-Chip 802.11n Transceiver
BCM4323   Intensi-fi® XLR Single-Chip 802.11n USB Solution
BCM4325   Low-Power 802.11a/b/g with Bluetooth® 2.1 + EDR and FM

Wireless LAN *(cont.)*

802.11 Wireless LAN Solutions *(cont.)*
802.11 WLAN ICs (cont.)

BCM4326	Low-Power 802.11b/g Transceiver
BCM4328	Low-Power 802.11a/b/g Transceiver
BCM4329	Low-Power 802.11n with Bluetooth® 2.1 + EDR and FM (TX and RX)
BCM4342	Intensi-fi® Single-Chip 802.11n Enterprise Solution
BCM4703	Intensi-fi® 802.11n Low-Cost 10/100 Processor
BCM4704	Intensi-fi® 802.11n Full-Featured 10/100 Processor
BCM4705	Intensi-fi® 802.11n GbE Processor
BCM4716	Intensi-fi® XLR 802.11n 2.4 GHz Router System-on-Chip
BCM4717	Intensi-fi® XLR 802.11n (2.4/5 GHz) Router System-on-Chip
BCM4718	Intensi-fi® XLR 802.11n Simultaneous Dual-Band (2.4/5 GHz) Router System-on-Chip
BCM5354	802.11b/g Router System-on-Chip with BroadRange® Technology
BCM5356	802.11b/g and Single-Stream 802.11n 2.4 GHz Router
BCM94312HMC	802.11b/g PCI Express® Half MiniCard Reference Design
BCM94312HMGB	802.11g and Bluetooth 3.0 Half MiniCard Reference Design
BCM94312MC	802.11b/g PCI Express® MiniCard Reference Design
BCM94312SDG	802.11b/g SDIO Card Reference Design
BCM94318E	802.11b/g Reference Design with BroadRange® Technology
BCM94321CB2	Single-Band 802.11n CardBus Reference Design (2.4 GHz)
BCM94321MC	Dual-Band 802.11n PCI Express® MiniCard Reference Design
BCM94321MP	Dual-Band 802.11n Mini PCI Reference Design
BCM943224HMB	Dual-Band 802.11n and Bluetooth 3.0 Half MiniCard Reference Design
BCM943225HMB	Single-Band 802.11n and Bluetooth 3.0 Half MiniCard Reference Design
BCM94322HMC	Dual-Band 802.11n PCI Express® Half MiniCard Reference Design
BCM94322MC	Dual-Band 802.11n PCI Express® MiniCard Reference Design
BCM94322MP	Dual-Band 802.11n Mini PCI Reference Design
BCM94322MP2D	Single-Band 802.11n Mini PCI Reference Design (2.4 GHz)
BCM94323U	Single-Chip 802.11n USB Reference Design
BCM94703NR	802.11n Low-Cost AP/Router Reference Design
BCM94704	802.11a/g AP/Router Reference Design
BCM94704NR	802.11n AP/Router Reference Design
BCM94705NR	802.11n Gigabit AP/Router Reference Design
BCM94717	802.11n (2.4/5 GHz) Router Reference Design
BCM95354GR	802.11b/g Router System-on-Chip Reference Design with BroadRange® Technology

Wi-Fi® Phone Solutions

BCM1161	Mobile VoIP Processor
BCM2702	High-Performance Mobile Multimedia Processor
BCM4318E	802.11b/g Transceiver with BroadRange® Technology
BCM91161	Wi-Fi® Phone Reference Design
BCM91161VP	Wi-Fi® Video Phone Reference Design

Network Infrastructure

Ethernet Controllers

Enterprise Client
Client Manageability

BCM5761	10/100/1000BASE-T Ethernet Controller with Integrated Security and TruManage™ Technology
BCM5761E	10/100/1000BASE-T Ethernet Controller with Integrated Security, TruManage™ Technology and Docking Switch

Ethernet Controllers *(cont.)*

Enterprise Client *(cont.)*
Gigabit Ethernet Controllers

BCM5705M	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver
BCM5752	NetXtreme® Gigabit Ethernet Controller with Integrated TPM1.2 for Desktops
BCM5752M	NetXtreme® Gigabit Ethernet Controller with Integrated TPM1.2 for Mobile PCs
BCM5755	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver
BCM5755M	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver
BCM5756M	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver

Enterprise Server
10-Gigabit Ethernet Controllers

BCM57710	Dual-Port 10G/2500/1000BASE-X TOE, RDMA, iSCSI PCI Express® Ethernet Controller
BCM57711	Dual-Port 10G/2500/1000BASE-X TOE, RDMA, iSCSI PCI Express® Ethernet Controller

Gigabit Ethernet Controllers

BCM5704C	Dual-Port 10/100/1000BASE-T PCI-X® Ethernet Controller with Integrated Transceiver
BCM5704S	Dual-Port 1000BASE-X Ethernet Controller
BCM5706	10/100/1000BASE-T TOE, RDMA, ISCSI/ISER Ethernet Controller
BCM5708C	10/100/1000BASE-T TOE PCI Express® Ethernet Controller
BCM5708S	1000/2500BASE-X TOE, RDMA, iSCSI PCI Express® Ethernet Controller
BCM5709C	Dual-Port 10/100/1000BASE-T TOE PCI Express® Ethernet Controller
BCM5709S	Dual-Port 10/100/1000BASE-T TOE PCI Express® Ethernet Controller
BCM5714C	PCI Express®-to-PCI-X® I/O Bridge with Integrated Dual Gigabit Ethernet Ports
BCM5714S	PCI Express®-to-PCI-X® I/O Bridge with Integrated Dual Gigabit Ethernet Ports
BCM5715C	Dual-Port Gigabit Ethernet Controller with a PCI Express® Host Interface
BCM5715S	Dual-Port Gigabit Ethernet Controller with a PCI Express® Host Interface
BCM5722	Integrated Gigabit Ethernet Controller with Integrated Transceiver
BCM5723	NetXtreme® Gigabit Ethernet Controller for Servers

Home
Fast Ethernet Controllers

BCM5906M	10/100BASE-T Ethernet Controller with Integrated Transceiver

Gigabit Ethernet Controllers

BCM5788	NetLink® Gigabit Ethernet Controller with PHY
BCM5788M	NetLink® Gigabit Ethernet Controller with PHY for Mobile Applications
BCM5789	NetLink® Gigabit Ethernet Controller with PCI Express®

Small Business
Fast Ethernet Controllers

BCM5906M	10/100BASE-T Ethernet Controller with Integrated Transceiver

Gigabit Ethernet Controllers

BCM5754	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver
BCM5754M	10/100/1000BASE-T Ethernet Controller with Integrated Transceiver
BCM5764M	NetXtreme® Gigabit Ethernet Controller with ASF 2.0

Physical Layer

10-Gigabit Ethernet PHYs
Backplane
BCM8071	XAUI™-to-Serial 10GBASE-KR Backplane Transceiver
BCM8073	XAUI™-to-Dual-Channel Serial 10GBASE-KR Backplane Transceiver

Optical
BCM8704	Serial 10-GbE/Fibre Channel Transceiver with XAUI™ Interface
BCM8705	Serial 10-GbE/FC/SONET LAN/WAN PHY with XAUI™ Interface
BCM8706	XAUI™-to-Serial 10GBASE-LRM Transceiver
BCM8724	Dual 10-Gigabit Ethernet XFI-to-XAUI™ Transceiver
BCM8725	Dual 10-Gigabit Ethernet XFI-to-XAUI™ LAN/WAN Transceiver
BCM8727	Dual-Channel 10-GbE SFI-to-XAUI™ Transceiver with EDC
BCM8752	Dual-Channel 10-Gigabit Ethernet SFI-to-XFI PHY with EDC

SerDes
BCM8011	4-Channel 3.125-GbE CMOS Transceiver
BCM8020	8-Channel Multirate 1.0 Gbps-3.2 Gbps Transceiver
BCM8021	4-Channel Multirate 1.0 Gbps-3.2 Gbps Transceiver with High-Speed Redundancy
BCM8022	XAUI™-to-10GBASE-CX4 Retimer
BCM8040	8-Channel Multirate 1.0 Gbps-3.2 Gbps Retimer Switch
BCM8071	XAUI™-to-Serial 10GBASE-KR Backplane Transceiver
BCM8073	XAUI™-to-Dual-Channel Serial 10GBASE-KR Backplane Transceiver

Twisted Pair Copper
BCM8481	10GBASE-T Transceiver
BCM84823	Dual-Port 10GBASE-T Transceiver

BroadR-Reach™ PHYs
BCM54810	Single-Port 10/100/1000BASE-T Gigabit Ethernt BroadR-Reach™ Transceiver
BCM54880	Octal-Port 10/100/1000BASE-T Gigabit Copper BroadR-Reach™ Transceiver
BCM54881	Octal-Port 10/100BASE-TX Ethernet BroadR-Reach™ Transceiver

Fast Ethernet PHYs
Single/Dual PHY
BCM5221	Single-Port RMII 10/100BASE-TX Transceiver
BCM5222	Dual-Port MII 10/100BASE-TX Transceiver
BCM5241	Single-Port MII 10/100BASE-TX Transceiver

Quad PHY
BCM5208R	10/100BASE-TX/FX Transceiver

Octal PHY
BCM5228	10/100BASE-TX Transceiver
BCM5238	10/100BASE-TX/FX Transceiver
BCM5248	10/100BASE-TX/FX Transceiver

Fibre Channel PHYs
BCM8421	Intelligent 1/2/4 Gb Fibre Channel Retimer/Repeater with EyeOpener®
BCM8422	4-Channel 1/2/4 Gb Fibre Channel Loop Circuit with EyeOpener®
BCM8426	12-Channel 1/2/4 Gb Fibre Channel Loop Circuit with EyeOpener®

Gigabit Ethernet PHYs
Single
BCM5461	10/100/1000BASE-T Gigabit Copper Transceiver
BCM54610	10/100/1000BASE-T Gigabit Copper Transceiver with RGMII Interface
BCM54616	10/100/1000BASE-T Gigabit Copper Transceiver with GMII Interface
BCM54616S	10/100/1000BASE-T Gigabit Transceiver with Copper/Fiber Media Interface

Physical Layer *(cont.)*

Gigabit Ethernet PHYs (cont.)

Single (cont.)

BCM5461S	10/100/1000BASE-T Gigabit Transceiver with Copper/Fiber Media Interface
BCM5481	10/100/1000BASE-T Gigabit Copper Transceiver

Dual

BCM5482	Dual-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM5482S	Dual-Port 10/100/1000BASE-T Gb Transceiver with Copper/Fiber Media Interface
BCM5482SE	Dual-Port 10/100/1000BASE-T Gb Transceiver with Copper/Fiber Media Interface/Sync-E
BCM8012S	Dual-Port 1000BASE-X/100BASE-FX Transceiver

Quad

BCM5464R	Quad-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM5464SR	Quad-Port 10/100/1000BASE-T Gb Transceiver with Copper/Fiber Media Interface
BCM5466R	Quad-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM5466SR	Quad-Port 10/100/1000BASE-T Gb Transceiver with Copper/Fiber Media Interface

Octal

BCM54680	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM54684	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM54880	Octal-Port 10/100/1000BASE-T Gigabit Copper BroadR-Reach™ Transceiver
BCM5488R	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM5488S	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM54980	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM54981	Octal-Port 10/100/1000BASE-T Gigabit Copper Transceiver with Remote PHY

Optical Transport Products

10G CDRs

BCM8102	SONET/SDH Quad-Rate Small Form Factor EyeOpener®

10G Mux/Demux

BCM8105	Multirate 10 Gbps CDR/Demultiplexer with Electronic Dispersion Compensation
BCM8108	Multirate 10 Gbps SONET/SDH/10GbE/FC/FEC Transmitter Multiplexer
BCM8109	Multirate 10 Gbps SONET/SDH/10GbE/FC/FEC Demultiplexer
BCM8124	Low-Jitter 10 Gbps 16:1 Multiplexer with Clock Generation and MSA Features
BCM8125	10 Gbps 1:16 Demultiplexer with CDR and Limiting Amplifier
BCM8128	Multirate 10 Gbps SONET/SDH/10GbE/FEC Transmitter
BCM8129	Multirate 10 Gbps SONET/SDH/10GbE/FEC Demultiplexer Receiver

10G Transceivers

BCM8152	10 Gbps Transceiver with Bus Skew and Limiting Amplifier
BCM8154	Multirate Low-Power 10 Gbps NRZ/Duobinary Transceiver with 10G Clock
BCM8156	Multirate Low-Power 10 Gbps XFI-to-SFI-4.1 Transceiver

2.5G Transceivers

BCM8211	2.488 Gbps Transceiver with Internal Loop Timing
BCM8220	2.488/2.667 Gbps SONET/SDH Transceiver
BCM8228	VariRate™ Multirate Transceiver with SONET Rate Adaptation and PM

FEC Products

BCM8512	10 Gb DWDM OTU-2 Transport Processor with G.709 FEC, SONET/SDH/10-GbE Performance Monitor

Power over Ethernet Products

BCM59101	Quad Integrated IEEE 802.3af-Compliant Controller
BCM59103	Quad Integrated IEEE 802.3at-Compliant Controller
BCM59105	Quad Integrated BroadR-Reach™ PoE Controller

Processors

Carrier and Service Provider

BCM1122	Single-Core Processor for Control Plane Applications
BCM1125H	Single-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM1250	Dual-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM1255	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1280	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT
BCM1455	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1480	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT
BCM53001	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and RGMII
BCM53002	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and SGMII
BCM53003	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII

Data Center

BCM1250	Dual-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM1255	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1280	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT
BCM1455	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1480	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT

Enterprise

BCM1122	Single-Core Processor for Control-Plane Applications
BCM1125H	Single-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM1250	Dual-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM1255	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1280	Dual-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT
BCM1455	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, PCI-X®
BCM1480	Quad-Core 64-bit MIPS® Processor with DDR2, GbE, SPI-4/HT
BCM53001	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and RGMII
BCM53002	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and SGMII
BCM53003	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
BCM5836P	Single-Core 32-bit MIPS® Control-Plane Processor with PCI

Home and Small Business

BCM1125H	Single-Core 64-bit MIPS® Processor with GbE, PCI, HT
BCM53001	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and RGMII
BCM53002	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and SGMII
BCM53003	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
BCM5836P	Single-Core 32-bit MIPS® Control-Plane Processor with PCI

Security

Encryption Coprocessors
IPsec

BCM5812	Low-Power Security Processor
BCM5823	Midrange Security Processor
BCM5825	High-Performance 1 Gbps Security Processor
BCM5841	Multi-Gigabit Security Processor

SSL

BCM5821	Super e-Commerce Processor
BCM5825	High-Performance 1 Gbps Security Processor

PC Client Security
Secure Applications Processors

BCM5880	Secure Applications Processor

Security *(cont.)*

Point-of-Sale
Secure Applications Processors
BCM5890	Secure Applications Processor
BCM5892	Secure Applications Processor

Switching

Carrier and Service Provider
10-Gigabit Ethernet
BCM56511	4-Port 10-GbE/HiGig+™ Multilayer Switch
BCM56628	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56638	100 Gbps Ethernet Multilayer Expandable Carrier Aggregation Switch
BCM56820	24-Port 10-GbE and 4-Port Multilayer Gigabit Ethernet Switch
BCM56821	12-Port 10-GbE and 8-Port HiGig™ and 4-Port GbE Multilayer Switch

Fast Ethernet
BCM53280	24-Port FE and 4-Port Gigabit Ethernet Carrier Access Switch
BCM56100	24-Port FE and 2-Port Gigabit Ethernet Switch
BCM56101	24-Port FE and 2-Port Gigabit Ethernet Switch with One 10-GbE/HiGig+™ Port
BCM56102	24-Port FE and 2-Port Gigabit Ethernet Switch with Two 10-GbE/HiGig+™ Ports
BCM56112	24-Port FE and 2-Port Gigabit Ethernet Switch with Two 10-GbE/HiGig+™ Ports
BCM56134	24-Port FE and 4-Port Gigabit Ethernet Multilayer Carrier Access Switch

Gigabit Ethernet
BCM56214	24 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56216	16 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56218	48 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56224	24-Port Gigabit Ethernet Switch with Four 2.5-GbE/HiGig+™ Ports
BCM56226	16-Port Gigabit Ethernet Switch with Four 2.5-GbE/HiGig+™ Ports
BCM56228	8-Port Gigabit Ethernet Switch with Four 2.5-GbE/HiGig+™ Ports
BCM56334	24-Port GbE Multilayer Carrier Access Switch with Four 10-GbE/HiGig+™ Ports
BCM56510	24-Port GbE Multilayer Switch
BCM56512	24-Port GbE Multilayer Switch with Two 10-GbE/HiGig+™ Ports
BCM56513	24-Port GbE Multilayer Switch with Three 10-GbE/HiGig+™ Ports
BCM56514	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56526	28-Port GbE Multilayer Carrier Aggregation Switch with Six 10-GbE/HiGig+™ Ports
BCM56624	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56634	100 Gbps Ethernet Multilayer Expandable Switch
BCM56685	24-Port 2.5-GbE Multilayer Carrier Access Switch with Four 10-GbE/HiGig+™ Ports

XGS Core™ Fabrics
BCM88025	Programmable Packet Processor
BCM88130	630 Gbps High-Performance Packet Switch Fabric
BCM88230	Fabric Interface with Integrated Traffic Management
BCM88231	50 Gbps Advanced Traffic Manager with HiGig2™ Interface
BCM88235	Fabric Interface with Integrated Traffic Management
BCM88236	80 Gbps Advanced Traffic Manager with HiGig2™ Interface

Switching *(cont.)*

Data Center
10-Gigabit Ethernet

BCM56624	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56634	100 Gbps Ethernet Multilayer Expandable Switch
BCM56820	24-Port 10-GbE and 4-Port Multilayer Gigabit Ethernet Switch
BCM56821	12-Port 10-GbE and 8-Port HiGig™ and 4-Port GbE Multilayer Switch

Gigabit Ethernet

BCM56534	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56538	48-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56624	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56634	100 Gbps Ethernet Multilayer Expandable Switch

StrataXGS® Fabrics

BCM56720	16-Port 256 Gbps HigGig™/HigGig2™ Switch Fabric
BCM56931	50 Gbps DDR3 Deep Buffer Manager with HiGig2™ Interface
BCM56936	80 Gbps DDR3 Deep Buffer Manager with HiGig2™ Interface

XGS Core™ Fabrics

BCM88025	Programmable Packet Processor
BCM88130	630 Gbps High-Performance Packet Switch Fabric
BCM88230	Fabric Interface with Integrated Traffic Management
BCM88231	50 Gbps Advanced Traffic Manager with HiGig2™ Interface
BCM88235	Fabric Interface with Integrated Traffic Management
BCM88236	80 Gbps Advanced Traffic Manager with HiGig2™ Interface

Enterprise
10-Gigabit Ethernet

BCM56511	4-Port 10-GbE/HiGig+™ Multilayer Switch
BCM56520	108 Gbps Integrated Ethernet Multilayer Switch
BCM56624	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56820	24-Port 10-GbE and 4-Port Multilayer Gigabit Ethernet Switch
BCM56821	12-Port 10-GbE and 8-Port HiGig™ and 4-Port GbE Multilayer Switch

Fast Ethernet

BCM56100	24-Port FE and 2-Port Gigabit Ethernet Switch
BCM56101	24-Port FE and 2-Port Gigabit Ethernet Switch with One 10-GbE/HiGig+™ Port
BCM56102	24-Port FE and 2-Port Gigabit Ethernet Switch with Two 10-GbE/HiGig+™ Ports
BCM56112	24-Port FE and 2-Port Gigabit Ethernet Switch with Two 10-GbE/HiGig+™ Ports

Gigabit Ethernet

BCM56214	24 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56216	16 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56218	48 GbE Ports + Two 1-GbE Uplink Ports + Two 2.5-GbE Stacking Ports
BCM56224	24-Port Gigabit Ethernet Switch with Four 2.5-GbE/ HiGig+™ Ports
BCM56226	16-Port Gigabit Ethernet Switch with Four 2.5-GbE/ HiGig+™ Ports
BCM56228	8-Port Gigabit Ethernet Switch with Four 2.5-GbE/HiGig+™ Ports
BCM56510	24-Port GbE Multilayer Switch
BCM56512	24-Port GbE Multilayer Switch with Two 10-GbE/HiGig+™ Ports
BCM56513	24-Port GbE Multilayer Switch with Three 10-GbE/HiGig+™ Ports
BCM56514	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56534	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56538	48-Port GbE Multilayer Switch with Four 10-GbE/HiGig+™ Ports
BCM56624	100 Gbps Ethernet Multilayer Switch with Table Expansion
BCM56634	100 Gbps Ethernet Multilayer Expandable Switch

StrataXGS® Fabrics

BCM56720	16-Port 256 Gbps HigGig™/HigGig2™ Switch Fabric

Switching *(cont.)*

Enterprise (cont.)
Wireless LAN
BCM56520   108 Gbps Integrated Ethernet Multilayer Switch
XGS Core™ Fabrics
BCM88130   High-Performance Packet Switch Fabric
BCM88230   Fabric Interface with Integrated Traffic Management
BCM88235   Fabric Interface with Integrated Traffic Management
BCM88025   Programmable Packet Processor

Home and Small Business
Fast Ethernet
BCM53101   Integrated 7 FE Managed Switch
BCM53202   Integrated 8 FE + 2-GbE Managed Switch
BCM53212   Integrated 16 FE + 2-GbE Managed Switch
BCM53242   Integrated 24 FE + 2-GbE Managed Switch
BCM5324M   Integrated 24 FE + 2-GbE Managed Switch
BCM5325E   Integrated 10/100BASE-T/TX 5/6-Port Managed Switch
BCM5325F   Integrated 10/100BASE-T/TX 5/6-Port Managed Switch
BCM5325M   Integrated 10/100BASE-T/TX 5/6-Port Managed Switch
BCM5328M   Integrated 10/100BASE-T/TX 9-Port Switch
BCM5348   Single-Chip L2+ Managed Switch with 48 10/100 Ports +
                Four GbE Ports

Gigabit Ethernet
BCM53115   Smart GbE Switch
BCM53118   9-Port GbE Switch with 8 Integrated 10/100/1000 PHYs
BCM53312   8-Port GbE + 4-Port GbE Highly Integrated
                Multilayer Switch SoC
BCM53313   16-Port GbE + 2-Port GbE Highly Integrated
                Multilayer Switch SoC
BCM53314   24-Port GbE Highly Integrated Multilayer Switch SoC
BCM53718   48-GbE Port + Optional 2-GbE Port Highly Integrated
                Multilayer Switch SoC
BCM53724   24-Port GbE Port Highly Integrated Multilayer Switch SoC
BCM53726   16-Port GbE Port Highly Integrated Multilayer Switch SoC
BCM5387   5-GbE Port Switch with Integrated SerDes
BCM5388   8-GbE Port Switch with Integrated GbE Copper PHY
BCM5389   8-GbE Port Switch with Integrated SerDes
BCM5396   16-GbE Port Switch with Integrated SerDes

Software
FASTPATH® Software
FASTPATH   FASTPATH® Networking Software
FASTPATH-SMB   FASTPATH® Small/Medium Business Networking Software
FASTPATH-UAP   FASTPATH® Unified Access Point Networking Software
FASTPATH-UWS   FASTPATH® Unified Wireless Switching Networking Software
SmartPATH   SmartPATH™ Networking Software

About Broadcom

Broadcom Corporation is a major technology innovator and global leader in semiconductors for wired and wireless communications. Broadcom products enable the delivery of voice, video, data and multimedia to and throughout the home, the office and in mobile environments. We provide the industry's broadest portfolio of state-of-the-art, system-on-a-chip and software solutions to manufacturers of computing and networking equipment, digital entertainment and broadband access products, and mobile devices. These solutions support our core mission: Connecting everything®.

A FORTUNE 500® company, Broadcom is one of the world's largest fabless semiconductor companies with 2008 revenue of $4.66 billion, and holds over 3,650 U.S. and 1,450 foreign patents, more than 7,750 additional pending patent applications, and one of the broadest intellectual property portfolios addressing both wired and wireless transmission of voice, video, data and multimedia.

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