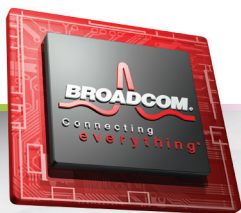


# 2012 Product Brochure

Applications and Multimedia Processors  
Bluetooth® Silicon and Software Solutions  
Broadband Carrier Access (EPON, GPON, & xDSL)  
Broadband Processors  
Cable Modems  
Cable, Satellite, and IPTV Set-Top Boxes  
Carrier and Service Provider Networks  
Data Center Networks  
Enterprise Networks  
GPS and GNSS  
Microwave & Mobile Backhaul  
Mobile Communications  
Near Field Communication  
Small-to-Medium Business Networks  
Wireless Networks



## Home (Broadband Communications)

### Broadband Carrier Access

#### EPON Solutions

##### Optical Line Terminals (OLTs)

BCM55524	Quad-Port IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® OLT SoC
TK3401	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® Intelligent PON Node (IPN)
TK3721	Single-Port IEEE 802.3ah 1G EPON Optical Line Terminal (OLT) SoC
TK3723	Dual-Port IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® OLT SoC

##### Optical Network Units (ONUs)

BCM5360x	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® MDU SoC (China CTC Compliant)
BCM55030	Multirate IEEE 802.3av 10G/10G and 10G/1G EPON ONU (China CTC Compliant)
TK3713	IEEE 802.3ah 1G EPON Optical Network Unit (ONU)
TK3714	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® ONU
TK3715	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® ONU (China CTC Compliant)

#### GPON Solutions

BCM6800 Family	Single-Chip GPON Gateway Processors
BCM6816	Single-Chip GPON Home Gateway with MoCA®
BCM6818	GPON-Based Residential Gateway SoC Solution

#### Powerline Communications Solutions

BCM60301	200 Mbps Intelligent Multi-PHY Switch
BCM60321	Powerline Networking SoC
BCM60541	1 Gbps Intelligent Multi-PHY Switch For Home Networking

#### xDSL CO Solutions

BCM6515	High-Performance VoIP Digital Signal Processor
BCM6519	Multi-DSL Transceiver
BCM6529	Low-Power Dual-Channel Analog Front-End Device
BCM65300	VDSL2 G.vector Central Office SoC
BCM65x00 Family	Central Office High Density Multi-DSL Chipset

#### xDSL CPE Solutions

##### Combo Solutions

BCM63168	Single-Chip ADSL/VDSL Integrated Access Device SoC with 802.11n and DECT
BCM6362	Single-Chip IAD with Integrated ADSL2+, 802.11n, and DECT

##### xDSL CPE Solutions

BCM6306	VDSL2 30a/6-Band and Channel Bonding Analog Front-End Solution
BCM63168	Single-Chip ADSL/VDSL Integrated Access Device SoC with 802.11n and DECT
BCM63281	Single-Chip ADSL2+ Router/Gateway Solution
BCM6338	ADSL2+ Router Solution
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
BCM6816	Single-Chip GPON Home Gateway with MoCA®

## Cable

### Cable Modem Solutions

#### Cable Modem ICs

BCM3349	QAMLink® DOCSIS®/EuroDOCSIS™ 2.0 Single-Chip Cable Modem
BCM3371	DOCSIS®/EuroDOCSIS™ 2.0 High-Performance Data Gateway
BCM3378	DOCSIS®/EuroDOCSIS™ 2.0 Single-Chip Embedded Multimedia Terminal Adapter
BCM3379	DOCSIS®/EuroDOCSIS™ 2.0 Embedded Multimedia Terminal Adapter and Gateway
BCM3382	DOCSIS®/Euro-DOCSIS™ 3.0 Cable Modem SoC
BCM3383	DOCSIS®/Euro-DOCSIS™ 3.0 Cable Gateway SoC with Full Band Capture

#### Silicon Tuner ICs

BCM3413	Advanced 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

#### DOCSIS® STB Front End

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
BCM3383M	40 nm 1 GHz Full Band Capture 8x4 DOCSIS® 3.0 Set-Top Front End
BCM3383MV	40 nm 1 GHz Full Band Capture 8x4 DOCSIS® 3.0 with VoIP Set-Top Front End

#### Silicon Tuner/Receiver ICs

BCM3123	40 nm 1 GHz Full Band Capture CATV Tuner 3 QAM Set-Top Front End
BCM3124	40 nm 1 GHz Full Band Capture CATV Tuner 4 QAM Set-Top Front End
BCM3127	40 nm 1 GHz Full Band Capture CATV Tuner 4 QAM + SCTE 55 Receiver Set-Top Front End
BCM3128	40 nm 1 GHz Full Band Capture CATV Tuner 8 QAM + SCTE 55 Receiver Set-Top Front End
BCM3450	MoCA® Power Amplifier/Low-Noise Amplifier (LNA)
BCM7002	Cable Set-Top Box Digital Transport Adapter (DTA) SoC
BCM7003	SD Cable Interactive Receiver with USB DVR
BCM7004	SD Cable Basic Receiver

#### Single-Chip Set-Top Box ICs

BCM3325	40 nm Dual HD Transcoding 3K DMIPS CPU Headless Gateway Set-Top SoC
BCM7019	HD + DOCSIS® Cable SoC
BCM7025	HD + DOCSIS® Cable SoC with Integrated MoCA® 1.1
BCM7119	HD + DOCSIS® Cable SoC with SCTE55 OOB Transceiver
BCM7125	HD + DOCSIS® Cable SoC with SCTE55 OOB Transceiver and Integrated MoCA® 1.1
BCM7229	40 nm HD IP/CATV STB, 1500 DMIPS App CPU, DDR3
BCM7230	40 nm HD IP/CATV STB, 2K DMIPS App CPU, DDR3, OpenGL® ES 2.0
BCM7231	40 nm HD IP/CATV STB, 2K DMIPS App CPU, DDR3, OpenGL® ES 2.0, SVC Decoding

## Cable (cont.)

### Cable Set-Top Box Solutions (cont.)

#### Single-Chip Set-Top Box ICs (cont.)

BCM7241	40 nm HD IP/CATV STB, 3K DMIPS App CPU, DDR3, OpenGL® ES 2.0, SVC Decoding
BCM7242	40 nm HD IP/CATV STB, 3K DMIPS App CPU, DDR3, OpenGL® ES 2.0, SVC Decoding, HDMI Rx
BCM7410	Multiformat HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7418	High Definition Set-Top Box Client SoC with MoCA® for Home Networking
BCM7420	Multiformat Dual HD Digital Video/Audio with Embedded MoCA® for Satellite, IP, and Cable DVR STBs
BCM7422	40 nm MoCA® 2.0 Dual HD, 3K DMIPS App CPU Hybrid Gateway STB SoC
BCM7424	40 nm Dual HD, Dual HD Transcoding 3K DMIPS App CPU Hybrid Gateway STB SoC
BCM7425	40 nm MoCA® 2.0 Dual HD Transcoding, 3K DMIPS App CPU, OpenGL® ES 2.0 Hybrid GW STB SoC
BCM7428	40 nm MoCA® 2.0 IP HD, 3K DMIPS App CPU, OpenGL® ES 2.0, HDMI Rx, DDR3 STB Client
BCM7429	40 nm MoCA® 2.0 Multi-Room HD, 3K DMIPS App CPU, OpenGL® ES 2.0, HDMI Rx, SATA 3, DDR3, STB SoC

### CMTS Products

BCM3034	Universal 1024-QAM Modulator
BCM3040	Universal DOCSIS® 2.0-Based Downstream Modulator
BCM3140	Dual Universal DOCSIS®/EuroDOCSIS™ 2.0 Burst Receiver
BCM3142	12-Channel Universal DOCSIS®/EuroDOCSIS™ 3.0 Burst Receiver
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

### Digital Transport Adapter and Zapper ICs

BCM7002	Cable Set-Top Box Digital Transport Adapter (DTA) SoC
BCM7013	Low-Cost SD Cable Interactive Receiver with 10/100 Ethernet and USB DVR
BCM7014	Low-Cost SD Cable STB
BCM7023	Single-Chip DBC-C SD STB, 1100 DMIPS App CPU, 1 GHz Tuner, 1024 QAM Demodulator
BCM7530	ISDB-T High Definition Digital Terrestrial Converter Box SoC
BCM7540	ISDB-T High Definition Digital Terrestrial Converter Box SoC
BCM7542	40 nm Single-Chip ISDBT HD STB, 1100 DMIPS App CPU
BCM7552	40 nm Single-Chip DVB-T HD STB, 1100 DMIPS App CPU
BCM7580	HD Cable Converter Box Solution with DVB-C Tuner and AVS
BCM7581/7582	40 nm Single-Chip DVB-C HD STB, 1100 DMIPS App CPU, 1 GHz Tuner, 1024 QAM Demodulator, DVB-CI/CableCard
BCM7592	40 nm Single-Chip DVB-C/ISDBT HD STB, 1100 DMIPS App CPU

## Cable (cont.)

### High Definition Audio/Video/Graphics System Processors

BCM3510	HDTV/CATV Receiver
BCM3520	ATSC/VSB/NTSC Digital Cable-Ready DTV Receiver
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

## Consumer Electronics

### High Definition Audio/Video/Graphics System Processors

BCM3510	HDTV/CATV Receiver
BCM3520	ATSC/VSB/NTSC Digital Cable-Ready DTV Receiver
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 Solutions

BCM70015	Low-Power PCI Express® HD Media Processor
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## IPTV

### IPTV Solutions

BCM7230	40 nm HD IP/CATV STB, 2K DMIPS App CPU, DDR3, OpenGL® ES 2.0
BCM7231	40 nm HD IP/CATV STB, 2K DMIPS App CPU, DDR3, OpenGL® ES 2.0, SVC Decoding

## 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

### Satellite Out Door Unit

BCM4550	Full-Band Capture Satellite Channel Stacker Solution
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### Satellite Set-Top Box Solutions

BCM4528	Full-Band Capture Satellite Set-Top Box SoC
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
BCM7324	Standard Definition Satellite System-on-Chip with Integrated DVB-S2
BCM7325	High Definition 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
BCM7344	Single-Tuner HD AVC Satellite Receiver with MoCA®
BCM7346	Dual-Tuner HD AVC Satellite Receiver with MoCA
BCM7350	HD Satellite SoC with Power Management
BCM7352	HD DVR Satellite SoC with Power Management
BCM7354	Single-Tuner HD AVC Satellite Receiver
BCM7356	Dual-Tuner HD AVC Satellite Receiver
BCM7408	Thin Client SoC with Integrated MoCA®
BCM7466	Multiformat SD Digital Video/Audio SoC for Satellite, IP, and Cable STBs

## Hand (Mobile & Wireless)

### Applications and Multimedia Processors

#### High-Performance Applications Processors

##### Tablet/Video Phone Solutions

BCM11130	Merlyn™ 1080p Dual-Core Enterprise Applications and Multimedia Processor
BCM11140	Merlyn™ 1080p Dual-Core High-Performance Enterprise Applications & Multimedia Processor
BCM11145	Merlyn™ 1080p Dual-Core 4G HSPA+ High-Performance Enterprise Applications & Multimedia Processor
BCM11181	Persona® Presence 720p HD Multimedia Coprocessor
BCM11182	Persona® ICE 1080p HD Multimedia Coprocessor
BCM11211	Persona® Media Processor
BCM11311	Merlyn™ 1080p Dual-Core Applications and Multimedia Processor
BCM11351	Merlyn™ 1080p Dual-Core 4G HSPA+ Applications and Multimedia Processor

#### IP Communications Processors

##### Voice Solutions

BCM11107	Persona® Media Gigabit IP Communications Processor
BCM11109	Persona® Prime Gigabit IP Communications Processor
BCM11170	Persona® Classic Fast Ethernet IP Communications Processor
BCM11195	Persona® Entry Fast Ethernet IP Communications Processor
BCM11221	Persona® Media IP Communications Processor
BCM11190	Low-Cost Fast Ethernet VoIP Processor

#### Stand-Alone Media Terminal Adapters

BCM1111	VoIP CPE Engine
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#### Wi-Fi® Phone Solutions

BCM1161	Mobile VoIP Processor
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### Bluetooth®

#### Bluetooth® RF Silicon and Software Solutions

##### Combo Solutions

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
BCM20751	Bluetooth® + GPS + FM Combination ('Combo') Chip Solution
BCM2076	Multifunction Monolithic IC with GPS and GLONASS AGPS, Bluetooth 4.0, and FM Receiver/Transmitter
BCM43142	Wi-Fi Direct™ & Bluetooth® 4.0 Combo Chip for PCs and Notebooks
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)
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

### Bluetooth® (cont.)

#### Bluetooth® RF Silicon and Software Solutions (cont.)

##### Blutonium® Bluetooth® Silicon

BCM2004	Bluetooth® Radio for QUALCOMM®-Based Handsets
BCM2047	Single-Chip Bluetooth® Wireless Audio Solution with DSP
BCM2049	Single-Chip Bluetooth® 2.1 + EDR with Integrated FM Transceiver
BCM2070	Single-Chip Bluetooth® 2.1 + EDR HCI Solution
BCM20702	Single-Chip Bluetooth® 4.0 HCI Solution with Bluetooth Low Energy (BLE) Support
BCM20730	Single-Chip Bluetooth® 3.0-Compliant Solution + Integrated 2.4 GHz Transceiver for Wireless Input Devices
BCM20733	Single-Chip Bluetooth® 3.0-Compliant + EDR Solution + Integrated 2.4 GHz Transceiver for Wireless Input Devices
BCM2075	Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR, and Integrated FM Transceiver
BCM20751	Bluetooth® + GPS + FM Combination ('Combo') Chip Solution
BCM2076	Multifunction Monolithic IC with GPS and GLONASS AGPS, Bluetooth 4.0, and FM Receiver/Transmitter
BCM2077x Family	BCM2077x Stereo Bluetooth Audio Chip Family
BCM43142	Wi-Fi Direct™ & Bluetooth® 4.0 Combo Chip for PCs and Notebooks
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

#### Cellular RF

BCM21331	65 nm EDGE SoC Baseband + RF + Multimedia
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#### Entry Segment

##### Entry Single-Chip Solutions

BCM21334	65 nm EDGE SoC Baseband + RF + Multimedia
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##### Entry High-Performance EDGE Platform

BCM21334 +	312 MHz ARM9™, Integrated ISP, 65 nm EDGE SoC
BCM5903x	Baseband Processor, RF, and Power Management

## Cellular (cont.)

### Mainstream Segment

#### Mainstream ICs

BCM2091	65 nm HSPA Multimode/Multiband 2G/3G RF Transceiver
BCM2153	7.2 Mbps HEDGE 65 nm Multimedia Baseband Processor
BCM2157	65 nm 7.2 Mbps HSDPA Baseband Processor
BCM21553	60 nm 7.2 Mbps/5.8 Mbps HSPA Multimedia Baseband Processor
BCM2763	High Definition 1080p Mobile Multimedia Processor
BCM2835	High Definition 1080p Mobile Multimedia Applications Processor
BCM59035	Mobile Power Management Unit

#### Mainstream Low-Cost Android™ Platform

BCM2157 +	500 MHz ARM11™, 65 nm 7.2 Mbps HSDPA Baseband Processor and Power Management
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#### Mainstream Low-Cost HSPA 3D Android™ Platform

BCM2091 +	832 MHz ARM11™, OpenGL® 2.0 60nm 7.2 Mbps/5.8 Mbps
BCM21553 +	HSPA Multimedia Baseband Processor, RF, and Power Management
BCM59035	Power Management
BCM21654	Advanced Low-Cost HSPA/EDGE Multimedia Baseband Processor

#### Smartphone HSPA+ Platform

BCM2093	40 nm HSPA+ Multimode/Multiband 2G/3G/4G RF Transceiver
BCM28145	720p 4G HSPA+ Smartphone Processor
BCM28155	1080p 4G HSPA+ Smartphone Processor
BCM59056	Advanced Mobile Power Management Unit

### 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

## GPS

### GPS Silicon Solutions

#### Combo Solutions

BCM2075	Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR, and Integrated FM Transceiver
BCM2076	Multifunction Monolithic IC with AGPS (GPS/SBAS/QZSS/GLONASS), Bluetooth® 4.0, and Integrated FM (TX and RX)

#### GPS Silicon ICs

BCM2075	Multifunction Monolithic IC with AGPS, Bluetooth® 2.1 + EDR, and Integrated FM Transceiver
BCM2076	Multifunction Monolithic IC with AGPS (GPS/SBAS/QZSS/GLONASS), Bluetooth® 4.0, and Integrated FM (TX and RX)
BCM4750	Single-Chip AGPS Solution
BCM4751	Integrated Monolithic GPS Receiver
BCM47511	Integrated Monolithic GNSS Receiver
BCM4760	ARM11™ Applications Processor with Graphics Processing Unit and Integrated GNSS Receiver SoC
BCM4761	ARM11™ Applications Processor with Integrated GNSS Receiver SoC

## GPS (cont.)

### 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)

## Near Field Communication (NFC)

### NFC Solutions

BCM20203	Near Field Communication (NFC)/13.56 MHz Radio Frequency Identification Read/Write Solution
BCM2079x Family	Near Field Communications (NFC) Controller Family

## Wireless LAN

### 802.11 Wireless LAN Solutions

#### Combo Solutions

BCM43142	Wi-Fi Direct™ & Bluetooth® 4.0 Combo Chip for PCs and Notebooks
BCM4319	Single-Chip 802.11a/b/g/n MAC/Baseband/Radio
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)
BCM4330	802.11a/b/g/n MAC/Baseband/Radio with Integrated Bluetooth® 4.0+HS and FM Transceiver
BCM94313HM-GBEPA	1x1 802.11n and Bluetooth® 3.0 High-Speed 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

BCM2055	Intensi-fi® 802.11n Radio (2.4/5 GHz)
BCM4312	802.11a/b/g Transceiver for SDIO and PCI Express®
BCM4313	InConcert® Wi-Fi® and Bluetooth® Coexistence Interface for Single/Dual Antenna Designs
BCM43142	Wi-Fi Direct™ & Bluetooth® 4.0 Combo Chip for PCs and Notebooks
BCM4318E	802.11b/g Transceiver with BroadRange® Technology
BCM4319	Single-Chip 802.11a/b/g/n MAC/Baseband/Radio
BCM4322	Intensi-fi® Single-Chip 802.11n Transceiver
BCM43224	Dual-Band 802.11n 2x2 PCI Express® Half MiniCard
BCM4323	Intensi-fi® XLR Single-Chip 802.11n USB Solution
BCM4323x Family	Intensi-fi® XLR Media Family
BCM43234	Dual-Band 802.11n 1x1 Single-Chip USB Solution
BCM43235	Single-Band 802.11n 2x2 Single-Chip USB Solution
BCM43236	Dual-Band 802.11n 2x2 Single-Chip USB Solution
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)
BCM4330	802.11a/b/g/n MAC/Baseband/Radio with Integrated Bluetooth® 4.0+HS and FM Transceiver
BCM4331	Single-Chip 802.11n Dual-Band 3x3 Wireless Solution

## Wireless LAN (cont.)

### 802.11 Wireless LAN Solutions (cont.)

#### 802.11 WLAN ICs (cont.)

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
BCM4706	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
BCM4717V	Intensi-fi® XLR 802.11n (2.4/5 GHz) Wireless Set-Top Box System-on-Chip
BCM4718	Intensi-fi® XLR 802.11n Simultaneous Dual-Band (2.4/5 GHz) Router System-on-Chip
BCM47186	Intensi-fi® XLR 2x2 802.11n (2.4/5 GHz) Router Solution
BCM5356x Family	802.11b/g and Single-Stream 802.11n 2.4 GHz Router
BCM5357	Intensi-fi® XLR 802.11n Router Solution
BCM5358x Family	802.11n VoIP Router Solutions with 3G/4G Support
BCM94313HM–GBEPA	1x1 802.11n and Bluetooth® 3.0 High-Speed Half MiniCard Reference Design
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
BCM94322MP2D	Single-Band 802.11n Mini PCI Reference Design (2.4 GHz)
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® Half 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
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

### Wi-Fi® Phone Solutions

BCM1161	Mobile VoIP Processor
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## Infrastructure (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

##### 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
BCM57765	NetXtreme® Gigabit Ethernet Controller with Integrated SDXC Card Reader, ASF and EEE Compliant Transceiver
BCM57781	NetXtreme® Gigabit Ethernet Controller with Integrated EEE Compliant Transceiver
BCM57785	NetXtreme® Gigabit Ethernet Controller with Integrated Card Reader and EEE Compliant Transceiver

#### Enterprise Server

##### 10-Gigabit Ethernet Controllers

BCM57711	Dual-Port 10G/2500/1000BASE-X TOE, RDMA, iSCSI PCI Express® Ethernet Controller
BCM57712	Dual-Port 10GBASE-CX4/1000BASE-KX4 iSCSI, FCoE, TOE, RDMA PCI-SIG SR-IOV PCI Express® Gen-2 Controller with DCBx
BCM578x0 Family	Multi-Port Single-Chip 10G Ethernet Converged Controllers

##### 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

## Ethernet Controllers (cont.)

### Enterprise Server (cont.)

#### Gigabit Ethernet Controllers (cont.)

BCM5718	x2 PCI Express® Dual-Port Gigabit Ethernet Controller
BCM5719	X4 PCI Express® Quad-Port Gigabit Ethernet Controller
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
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#### Gigabit Ethernet Controllers

BCM57781	NetXtreme® Gigabit Ethernet Controller with Integrated EEE Compliant Transceiver
BCM57785	NetXtreme® Gigabit Ethernet Controller with Integrated Card Reader and EEE Compliant Transceiver
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
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#### 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
BCM57761	NetXtreme® Gigabit Ethernet Controller with Integrated ASF 2.0 and EEE Compliant Transceiver
BCM57765	NetXtreme® Gigabit Ethernet Controller with Integrated SDXC Card Reader, ASF and EEE Compliant Transceiver

## Microwave & Mobile Backhaul

### Baseband

BCM85620	Baseband and Networking SoC Family
PVG310	Modem-on-a-Chip Family
PVG610	Baseband SoC Family

### Radio Frequency (RF)

BCM85810	RF SoC Family
PVG710	Integrated IF Transceiver

## Physical Layer

### Automotive

#### Gigabit Ethernet Switches & PHYs

BCM89200	4-Port Automotive Ethernet Switch with Two Integrated PHYs
BCM89500	7-Port Automotive Ethernet Switch with Four Integrated PHYs
BCM89501	7-Port Automotive Ethernet Switch with Five Integrated PHYs
BCM89610	10/100/1000 Single-Port Automotive Ethernet Transceiver

## Physical Layer (cont.)

### 10-Gigabit Ethernet PHYs

#### Backplane

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

#### Optical

BCM8155	Multirate Low-Power 8.5G-11.4G RZ/NRZ/Duobinary Transceiver with 10G Clock
BCM8157	Multirate Low-Power 8.5G-11.4G XFI to SFI-4.1 Transceiver
BCM84753	Quad-Channel 10-GbE SFI-to-XFI PHY with EDC
BCM84754	Quad-Channel 10-GbE SFI-to-XFI PHY with EDC
BCM84756	10-GbE Quad SFI-XFI PHY with IEEE MACsec/1588
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
BCM8707	Single-Channel 10-GbE SFI-to-XAUI™ Transceiver with EDC
BCM8724	Dual 10-Gigabit Ethernet XFI-to-XAUI™ Transceiver
BCM8725	Dual 10-Gigabit Ethernet XFI-to-XAUI™ LAN/WAN Transceiver
BCM8726	Dual-Channel 10-GbE SFI-to-XAUI™ Transceiver with EDC
BCM8727	Dual-Channel 10-GbE SFI-to-XAUI™ Transceiver with EDC
BCM8728	Dual-Channel 10-GbE SFI-to-XAUI™ Transceiver with EDC/Sync-E
BCM8752	Dual-Channel 10-Gigabit Ethernet SFI-to-XFI PHY with EDC
BCM8753	Quad-Channel 10-Gigabit Ethernet SFI-to-XFI PHY with EDC
BCM8754	Quad-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

BCM84823B	Dual-Port 10GBASE-T Transceiver
BCM84833	Dual-Port 10GBASE-T Transceiver
BCM84834	Four-Port 10GBASE-T Transceiver
BCM84836	Dual-Port 10GBASE-T Transceiver

### BroadR-Reach® PHYs

BCM54810	GMII/RGMII 10/100/1000BASE-T Copper BroadR-Reach® Transceiver
BCM54810S	10/100/1000BASE-T BroadR-Reach® Transceiver with Dual Media Interface
BCM54880	SGMII 10/100/1000BASE-T Copper BroadR-Reach® Transceiver
BCM54881	S3MII 10/100BASE-TX Copper BroadR-Reach® Transceiver
BCM89810	BroadR-Reach® Single-Port Automotive Ethernet Transceiver

**Physical Layer (cont.)****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
<b>Quad PHY</b>	
BCM5208R	10/100BASE-TX/FX Transceiver
<b>Octal PHY</b>	
BCM5228	10/100BASE-TX Transceiver
BCM5248	10/100BASE-TX/FX Transceiver
BCM54881	S3MII 10/100BASE-TX Copper BroadR-Reach® 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 Copper Transceiver
BCM54610	RGMII 10/100/1000BASE-T Copper Transceiver
BCM54612E	RGMII 10/100/1000BASE-T Copper Transceiver with IEEE 802.3az EEE
BCM54614E	RGMII 1000/100/10BASE-T Copper Transceiver with IEEE 1588v2 and IEEE 802.3az EEE
BCM54616	GMII 10/100/1000BASE-T Copper Transceiver
BCM54616S	RGMII 10/100/1000BASE-T Transceiver with Dual Media Interface
BCM54618E	GMII 10/100/1000BASE-T Copper Transceiver with IEEE 802.3az EEE
BCM54619E	GMII 1000/100/10BASE-T Copper Transceiver with IEEE 1588v2 and IEEE 802.3az EEE
BCM5461S	10/100/1000BASE-T Transceiver with Dual Media Interface
BCM54810	GMII/RGMII 10/100/1000BASE-T Copper BroadR-Reach® Transceiver
BCM54810S	10/100/1000BASE-T BroadR-Reach® Transceiver with Dual Media Interface

**Dual**

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

**Quad**

BCM54640E	SGMII 10/100/1000BASE-T Transceiver with Dual Media Interface, IEEE 1588v2 and EEE
BCM5464R	RGMII/SGMII 10/100/1000BASE-T Copper Transceiver
BCM5464SR	RGMII/SGMII 10/100/1000BASE-T Transceiver with Dual Media Interface
BCM5466R	RGMII/SGMII 10/100/1000BASE-T Copper Transceiver
BCM5466SR	RGMII/SGMII 10/100/1000BASE-T Transceiver with Dual Media Interface

**Physical Layer (cont.)****Gigabit Ethernet PHYs (cont.)****Octal**

BCM54680	SGMII 10/100/1000BASE-T Copper Transceiver
BCM54680E	SGMII 10/100/1000BASE-T Copper Transceiver with IEEE 802.3az EEE
BCM54682E	QSGMII 10/100/1000BASE-T Copper Transceiver with IEEE 1588v2 and IEEE 802.3az EEE
BCM54684	QSGMII 10/100/1000BASE-T Copper Transceiver
BCM54685	QSGMII 10/100/1000BASE-T Transceiver with Dual Media Interface
BCM54685E	QSGMII 10/100/1000BASE-T Transceiver with Dual Media Interface, IEEE 1588v2 and IEEE 802.3az EEE
BCM54880	SGMII 10/100/1000BASE-T Copper BroadR-Reach® Transceiver
BCM54880E	SGMII 10/100/1000BASE-T Copper Transceiver with IEEE 1588v2 and IEEE 802.3az EEE
BCM5488R	RGMII 10/100/1000BASE-T Copper Transceiver

**Optical Transport Products****10G CDRs**

BCM8102	SONET/SDH Quad-Rate Small Form Factor EyeOpener®
BCM8302	Dual Multirate Low-Power 8.5G-11.4G CDR with EyeOpener®
BCM8304	Quad Multirate Low-Power 8.5G-11.4G CDR with EyeOpener®
BCM8305	Quad Low-Power 10.3125 Gbps CDR with EyeOpener®
BCM8322	Dual Multirate 10 Gbps Small Form Factor Referenceless CDR/EyeOpener®
BCM8324	Quad Low-Power Unidirectional 10 GbE Referenceless CDR/EyeOpener®
BCM8325	Quad Low-Power Unidirectional 10 GbE Referenceless CDR/Eye Opener®

**10G Mux/Demux**

BCM8105	Multirate 10 Gbps CDR/Demultiplexer with Electronic Dispersion Compensation
BCM8108	Multirate 10 Gbps SONET/SDH/10-GbE/FC/FEC Transmitter Multiplexer
BCM8109	Multirate 10 Gbps SONET/SDH/10-GbE/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/10-GbE/FC Transmitter
BCM8129	Multirate 10 Gbps SONET/SDH/10-GbE/FC Demultiplexer Receiver

**10G Transceivers**

BCM8152	10 Gbps Transceiver with Bus Skew and Limiting Amplifier
BCM8154	Multirate Low-Power 9.9G-11.4G NRZ/Duobinary Transceiver with 10G Clock
BCM8155	Multirate Low-Power 8.5G-11.4G RZ/NRZ/Duobinary Transceiver with 10G Clock
BCM8156	Multirate Low-Power 9.9G-11.4G XFI-to-SFI-4.1 Transceiver
BCM8157	Multirate Low-Power 8.5G-11.4G XFI to SFI-4.1 Transceiver
BCM8167	Dual Multirate Low-Power 8.5G-11.4G NRZ Optical Transport PHY

## Physical Layer (cont.)

### Optical Transport Products (cont.)

#### 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
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### 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
BCM59111	Quad Integrated IEEE 802.3at-Compliant PSE 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
BCM53003	Single-Core 32-bit 600 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
BCM53903	Timing over Packet (ToP) Processor for Precision Timing Applications

### 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
BCM53903	Timing over Packet (ToP) Processor for Precision Timing Applications

### 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

## Processors (cont.)

### Enterprise (cont.)

BCM53001	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and RGMII
BCM53003	Single-Core 32-bit 600 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
BCM53084	4-Port GbE SoC with Integrated CPU for Video/VoIP Phone Applications
BCM53903	Timing over Packet (ToP) Processor for Precision Timing Applications
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
BCM53003	Single-Core 32-bit 600 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
BCM53903	Timing over Packet (ToP) Processor for Precision Timing Applications
BCM5836P	Single-Core 32-bit MIPS® Control-Plane Processor with PCI

## Security

### Authentication Tokens

#### Secure Applications Processors

BCM5882	Secure Applications Processor
BCM5883	Secure Applications Processor
BCM5892	Secure Applications Processor

### Encryption Coprocessors

#### IPsec

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

#### SSL

BCM5825	High-Performance 1 Gbps Security Processor
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### PC Client Security

#### Secure Applications Processors

BCM5882	Secure Applications Processor
BCM5883	Secure Applications Processor

### Point-of-Sale

#### Secure Applications Processors

BCM5892	Secure Applications Processor
BCM5893	Secure Applications Processor

## Switching

### Automotive

#### Gigabit Ethernet Switches & PHYs

BCM89200	4-Port Automotive Ethernet Switch with Two Integrated PHYs
BCM89500	7-Port Automotive Ethernet Switch with Four Integrated PHYs
BCM89501	7-Port Automotive Ethernet Switch with Five Integrated PHYs
BCM89610	10/100/1000 Single-Port Automotive Ethernet Transceiver
BCM89810	BroadR-Reach® Single-Port Automotive Ethernet Transceiver

**Switching (cont.)****Carrier and Service Provider****100-Gigabit Ethernet**

BCM88600 Series 100-Gigabit Ethernet (GbE) Capable Switching Silicon

**10-Gigabit Ethernet**

BCM56511 4-Port 10-GbE/HiGig+™ Multilayer Switch

BCM56628 8-Port 10-GbE/HiGig2™ Ethernet Multilayer Switch with Table Expansion

BCM56638 8-Port 10-GbE/HiGig2™ 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

BCM56840 Series 640 Gbps High Density 10/40-GbE/HiGig2™ StrataXGS® Ethernet Switch Series with Integrated 10G Serial PHY

**Gigabit Ethernet**

BCM53600 Series Integrated 1G-EPON SoC

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

BCM56330 112 Gbps Multilayer Gigabit Ethernet Switch

BCM56440 Series Integrated Ethernet Multilayer Switch and Traffic Manager

BCM56334 24-Port GbE Multilayer Carrier Access Switch with Four 10-GbE/HiGig2™ 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/HiGig2™ Ports

BCM56624 48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

BCM56630 112 Gbps Multilayer Gigabit Ethernet Switch

BCM56634 48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

BCM56685 24-Port 2.5-GbE Multilayer Carrier Access Switch with Four 10-GbE/HiGig2™ Ports

**Switching (cont.)****Carrier and Service Provider (cont.)****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

**Fast Ethernet**

BCM53280 24-Port FE and 4-Port Gigabit Ethernet Carrier Access Switch

BCM5328x Family Managed Switch with 8/16/24 FE Ports + 2 GbE/4 GbE/2GbE + 2.5G SerDes

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

BCM56130 24-Port FE and 2-Port 1G/2.5G Ethernet Switch with Two 10-GbE/HiGig2™ Ports

BCM56132 24-Port FE and 2-Port 1G/2.5G Ethernet Switch with Two 10-GbE/HiGig2™ Ports

BCM56134 24-Port FE and 4-Port Gigabit Ethernet Multilayer Carrier Access Switch

**Data Center****100-Gigabit Ethernet**

BCM88600 Series 100-Gigabit Ethernet Capable Switching Silicon

**10-Gigabit Ethernet**

BCM56624 48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

BCM56634 48-Port GbE with Four 10-GbE/HiGig2™ Ports 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

BCM56840 Series 640 Gbps High Density 10/40-GbE/HiGig2™ StrataXGS® Ethernet Switch Series with Integrated 10G Serial PHY

**Gigabit Ethernet**

BCM56534 24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2™ Ports

BCM56538 48-Port GbE Multilayer Switch with Four 10-GbE/HiGig2™ Ports

BCM56624 48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

BCM56634 48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

**StrataXGS® Fabrics**

BCM56720 16-Port 256 Gbps HiGig™/HiGig2™ Switch Fabric

BCM56931 50 Gbps DDR3 Deep Buffer Manager with HiGig2™ Interface

BCM56936 80 Gbps DDR3 Deep Buffer Manager with HiGig2™ Interface

**Switching (cont.)****Data Center (cont.)****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

**Dune Networks Fabrics**

BCM88440	100 Gbps Integrated Full-Duplex Switch with L2/L3 Packet Processing
BCM88540	Full-Duplex 100 Gbps Traffic Manager with Integrated Fabric Interface
BCM88640	Full-Duplex 100 Gbps with Integrated MAC, Packet Processing, Traffic Management, and Fabric Access
FE600	6.25 Gbps Self-Routing Switching Element with Integrated Full-Duplex Serial Links
P130	80 Gbps Integrated Full-Duplex Switch with L2/L3 Packet Processing
P230	80 Gbps Traffic Manager with Integrated Fabric Interface
P330	80 Gbps Integrated Full-Duplex MAC, Packet Processing, Traffic Management, and Fabric Access

**Dune Networks Reference Designs**

Gobi	1.28 Tbps Full-Duplex Gobi Reference Design
Harpoon	24xGbE + 2x10-GbE Switch Reference Design with Xelerated's Metro Ethernet Application
Negev	One Fabric Card and Two Line Card Reference Designs with up to 100 Gbps Bandwidth Per Line Card
Paran	1.28 Tbps/1.92 Tbps Non-Blocking Switch Reference Design

**Enterprise****10-Gigabit Ethernet**

BCM56511	4-Port 10-GbE/HiGig+™ Multilayer Switch
BCM56520	108 Gbps Integrated Ethernet Multilayer Switch
BCM56540 Series	High Bandwidth 1 GbE/10 GbE/40 GbE Multilayer Ethernet Switch
BCM56624	48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion
BCM56640 Series	Extensible 1/10/40/100-GbE Multilayer Ethernet
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
BCM56840 Series	640 Gbps High Density 10/40-GbE/HiGig2™ StrataXGS® Ethernet Switch Series with Integrated 10G Serial PHY

**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

**Switching (cont.)****Enterprise (cont.)****Gigabit Ethernet (cont.)**

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/HiGig2™ Ports
BCM56538	48-Port GbE Multilayer Switch with Four 10-GbE/HiGig2™ Ports
BCM56624	48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion
BCM56634	48-Port GbE with Four 10-GbE/HiGig2™ Ports Ethernet Multilayer Switch with Table Expansion

**StrataXGS® Fabrics**

BCM56720	16-Port 256 Gbps HiGig™/HiGig2™ Switch Fabric
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**Wireless LAN**

BCM56520	108 Gbps Integrated Ethernet Multilayer Switch
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**XGS Core® Fabrics**

BCM88025	Programmable Packet Processor
BCM88130	High-Performance Packet Switch Fabric
BCM88230	Fabric Interface with Integrated Traffic Management
BCM88235	Fabric Interface with Integrated Traffic Management

**Fast Ethernet**

BCM56112	24-Port FE and 2-Port Gigabit Ethernet Switch with Two 10-GbE/HiGig+™ Ports
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**EPON Solutions****Optical Line Terminals (OLTs)**

BCM55524	Quad-Port IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® OLT SoC
TK3401	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® Intelligent PON Node (IPN)
TK3721	Single-Port IEEE 802.3ah 1G EPON Optical Line Terminal (OLT) SoC
TK3723	Dual-Port IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® OLT SoC

**Optical Network Units (ONUs)**

BCM5360x	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® MDU SoC (China CTC Compliant)
BCM55030	Multirate IEEE 802.3av 10G/10G and 10G/1G EPON ONU (China CTC Compliant)
TK3713	IEEE 802.3ah 1G EPON Optical Network Unit (ONU)
TK3714	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® ONU
TK3715	Multirate IEEE 802.3ah 1G EPON/2.5G Turbo-EPON® ONU (China CTC Compliant)

**Switching (cont.)****Home and Small Business****Gigabit Ethernet**

BCM53115	Smart GbE Switch
BCM53118	9-Port GbE Switch with Eight Integrated 10/100/1000 PHYs
BCM53125	7-Port Integrated GbE Energy Efficient Ethernet™ Switch
BCM53128	Multiport Gigabit Ethernet Switch
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
BCM53322	8-Port GbE + 4-Port GbE Energy Efficient Ethernet™ Integrated Multilayer Switch SoC
BCM53323	16-Port GbE + 2-Port GbE Energy Efficient Ethernet™ Integrated Multilayer Switch SoC
BCM53324	24-Port GbE Energy Efficient Ethernet™ 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
BCM56142	24-Port GbE Ethernet Switch with Two XAU1™/HiGig2™ Ports

**Fast Ethernet**

BCM53001	Single-Core 32-bit 400 MHz MIPS® Processor with DDR2, PCI Express®, and RGMII
BCM53003	Single-Core 32-bit 600 MHz MIPS® Processor with DDR2, PCI Express®, RGMII, and SGMII
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
BCM5328x Family	Managed Switch with 8/16/24 FE Ports + 2 GbE/4 GbE/2 GbE + 2.5G SerDes
BCM5348	Single-Chip L2+ Managed Switch with 48 10/100 Ports + Four GbE Ports

**Switching (cont.)****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 (NASDAQ: BRCM), a FORTUNE 500® company, is a global leader and innovator in semiconductor solutions for wired and wireless communications. Broadcom products seamlessly deliver voice, video, data and multimedia connectivity in the home, office and mobile environments. With the industry's broadest portfolio of state-of-the-art system-on-a-chip and embedded software solutions, Broadcom is changing the world by Connecting everything®.

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