Minidriver Development Kit
Release Notes
MDK 2.8.0

February 8, 2013

Broadcom
Network Switching

Section 1: About This Document

These are the Release Notes for the Broadcom Network Switching Minidriver Development Kit, Release 2.8.0.

This document provides a general description of the release and its new features, the chips supported by the release, API additions or changes, resolved issues and any relevant open issues.

Section 2: Product Documentation

The following documents are available through Broadcom's Customer Support Portal, http://support.broadcom.com. They are the primary source of information and should be referenced when using this release:

Table 1: Product Documentation

Document	Description
MDK-PG-101-R	MDK Programmer's Guide
	This manual describes the theory of operations of the MDK and all existing BMD APIs for this release.

Section 3: Release Media

The Minidriver Development Kit is released as a gzipped tar file on Broadcom's Customer Support Portal, http://support.broadcom.com.

Section 4: Support

Questions, feedback, and/or suggestions should be sent to your Broadcom FAE.

Section 5: New in this Release

The following section describes changes, features, and new device support that is introduced in this release.

NEW FEATURES IN MDK 2.8.0

The following section describes several new features and organizational changes introduced in the MDK 2.8.0 Release.

1. CDK Changes

- Some of the CDK chip definition files (e.g. `bcm56640_a0_defs.h`) have been split into multiple pieces to reduce overall file size. The contents remain unchanged, and binary objects based on these files are unaffected.

2. BMD Changes

- The BMD support for BCM5675x and BCM5685x devices is PREVIEW ONLY. The source files compile, but the driver is not yet functional.

There are NO changes to the BMD API signatures in this release.

3. PHY Changes

- Support for the internal QSGMII SerDes `(bcm_qsgmii_serdes)` adds proper SerDes support for the following existing device families: BCM5331x, BCM5332x and BCM5614x.

- The PHY library support for TSC SerDes PHYs `(bcmi_tsc_xgxs)` is PREVIEW ONLY. The source files compile, but the driver is not yet functional. The TSC SerDes is used by BCM5675x and BCM5685x switch devices.

NEW DEVICES

Support for the following devices has been introduced in this release of the MDK:

Table 2: New CDK Device Support

Family	Devices	Description
BCM56540	BCM56540 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56541 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56542 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56544 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56545 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56546 B0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
BCM56640	BCM56045 B0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56046 B0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
BCM56850	BCM56750 A0	1280 Gbps Switch Fabric
	BCM56750 A1	
	BCM56750 A2	
	BCM56850 A0	96x10G/32x40G/8x100G Ethernet Multilayer Switch
	BCM56850 A1	
	BCM56850 A2	
	BCM56851 A0	96x10G/32x40G Ethernet Multilayer Switch
	BCM56851 A1	
	BCM56851 A2	
	BCM56852 A0	96x10G/24x40G/8x100G Ethernet Multilayer Switch
	BCM56852 A1	
	BCM56852 A2	
	BCM56855 A0	72x10G/18x40G Ethernet Multilayer Switch
	BCM56855 A1	
	BCM56855 A2	

Table 3: New BMD Device Support

Family	Device	BMD Base Driver
BCM56850	BCM56750 A0	`bcm56850_a0`
	BCM56750 A1	`bcm56850_a0`
	BCM56750 A2	`bcm56850_a0`
	BCM56850 A0	`bcm56850_a0`
	BCM56850 A1	`bcm56850_a0`
	BCM56850 A2	`bcm56850_a0`
	BCM56851 A0	`bcm56850_a0`
	BCM56851 A1	`bcm56850_a0`
	BCM56851 A2	`bcm56850_a0`
	BCM56852 A0	`bcm56850_a0`
	BCM56852 A1	`bcm56850_a0`
	BCM56852 A2	`bcm56850_a0`
	BCM56855 A0	`bcm56850_a0`
	BCM56855 A1	`bcm56850_a0`
	BCM56855 A2	`bcm56850_a0`

Table 4: New BMD Base Driver Packages

BMD Base Driver Package	Codename	Product Family	Arch
`bcm56850_a0`	Trident2	BCM56850	StrataXGS

Table 5: New Integrated PHY Drivers

Internal PHY Driver	Description
`bcmi_qsgmii_serdes`	Internal Octal QSGMII 2.5G SerDes PHY Driver
`bcmi_tsc_xgxs`	Internal TSC 120G SerDes PHY Driver

Section 6: Resolved Issues for 2.8.0

The following issues are resolved in version 2.8.0 of the MDK.

Table 6:

Number	Release Notes For 2.8.0
MDK-495	Fix basic 2-lane SerDes access for BCM5614x devices.
MDK-555	Fix HGLITE mode for ports 25 and 26 on BCM56440.
MDK-559	In order to support newer devices like BCM5684x and BCM5664x with default settings, `CDK_CONFIG_INCLUDE_DYN_CONFIG` is now enabled by default in `cdk_config.h`.
MDK-563	Fix issue with BCM8754 PHY not forwarding traffic on certain ports.
MDK-564	Update Warpcore SerDes firmware for BCM5674x and BCM5684x devices.
MDK-565	Fix XAUI lane remapping support for BCM5662x, BCM5663x, BCM5672x and BCM5682x families of devices.
MDK-567	Print warning message from `bmd_reset` if PLLs are not locked on BCM5644x devices.
MDK-568	Fix `bmd_vlan_port_remove` API for BCM5674x and BCM5684x devices. The previous implementation would sometimes incorrectly affect multiple ports.
MDK-571	Update Warpcore firmware for BCM5664x devices.
MDK-589	Fixed 10 Gbps SFI/XFI mode (single lane) and 2.5 Gbps mode on BCM5664x devices.
MDK-590	Fix occasional MAC loopback errors on 4-lane ports on BCM5664x devices.
MDK-591	Fix port configuration for BCM56648.
MDK-592	Add minor optimizations for BCM5664x Warpcore PHY driver.
MDK-594	Fix port configuration for BCM56649.
MDK-595	Fix occasional MAC loopback failures on BCM5664x HiGig ports.
MDK-596	Fix jumbo packet support for BCM5664x devices.
MDK-599	Ensure that VLAN tag is properly removed for packets egressing on HiGig ports.
MDK-600	Fix ISM configuration (L2 address table) for BCM5654x devices.
MDK-601	Fix Tx pre-emphasis and I-driver programming for BCM5644x XGXS SerDes PHY.
MDK-603	Fix GE/FE speed operation on BCM5684x devices.

Section 7: MDK Device Support

CDK DEVICE SUPPORT

The CDK contains support for the following devices:

Table 7: CDK Device Support

Family	Devices	Description
BCM53010	BCM53010 A0	8-Port GE Switch With 5-Port Integrated PHY
	BCM53010 A2	
	BCM53011 A0	8-Port GE Switch With 5-Port Integrated PHY
	BCM53011 A2	
	BCM53012 A0	8-Port GE Switch With 5-Port Integrated PHY
	BCM53012 A2	
	BCM53017 A0	5-Port GE Switch With 2-Port Integrated PHY
	BCM53018 A0	8-Port GE Switch With 5-port Integrated PHY
	BCM53019 A0	8-Port GE Switch With 5-Port Integrated PHY
BCM53084	BCM53084 A0	2-Port GE Switch With Integrated PHYs
BCM53101	BCM53101 A0	6-Port FE Switch With 5 Integrated PHYs
	BCM53101 B0	
BCM53115	BCM53115 A0	6-Port GbE Switch With 5 Integrated PHYs
BCM53118	BCM53118 A0	9-Port GbE Switch With 8 Integrated PHYs
BCM53125	BCM53125 A0	6-Port GE Switch With 5 Integrated PHYs
	BCM53125 B0	
BCM53128	BCM53128 A0	8-Port GbE Switch With 7 Integrated PHYs
	BCM53128 B0	
BCM53280	BCM53280 A0	24 FE + 4 GE
	BCM53280 B0	
	BCM53280 B1	
	BCM53280 B2	
	BCM53282 A0	Managed Switch with 8 FE ports + 2 GbE Interfaces
	BCM53282 B0	
	BCM53282 B1	
	BCM53282 B2	
	BCM53283 A0	Managed Switch with 16 FE ports + 2 GbE Interfaces
	BCM53283 B0	
	BCM53283 B1	
	BCM53283 B2	
	BCM53284 A0	Managed Switch with 24 FE ports + 2 GbE Interfaces
	BCM53284 B0	
	BCM53284 B1	

Table 7: CDK Device Support

Family	Devices	Description
	BCM53284 B2	
	BCM53286 A0	Managed Switch with 24 FE ports + 4 GbE SerDes Interfaces
	BCM53286 B0	
	BCM53286 B1	
	BCM53286 B2	
BCM53600	BCM53600 A0	Managed Switch with 24 FE ports + 2 GbE Interfaces
	BCM53604 A0	Managed Switch with 24 FE ports + 2 GbE Interfaces
BCM89500	BCM89200 A0	3-Port GE Switch With 1 intergrated Qual PHY and 1 Single PHY
	BCM89500 A0	6-Port GE Switch With 1 intergrated Qual PHY
	BCM89501 A0	6-Port GE Switch With 1 intergrated Qual PHY and 1 Single PHY
BCM53310	BCM53312 A0	8-Port GbE Highly-Integrated Multilayer Switch
	BCM53313 A0	16-Port GbE Highly-Integrated Multilayer Switch
	BCM53314 A0	24-Port GbE Highly-Integrated Multilayer Switch
BCM53324	BCM53322 A0	8-Port GbE Highly-Integrated Multilayer Switch
	BCM53323 A0	16-Port GbE Highly-Integrated Multilayer Switch
	BCM53324 A0	24-Port GbE Highly-Integrated Multilayer Switch
BCM53710	BCM53714 A0	Integrated Multilayer Switch and CPU
	BCM53714 A1	
	BCM53714 A2	
	BCM53716 A0	Integrated Multilayer Switch and CPU
	BCM53716 A1	
	BCM53716 A2	
	BCM53718 A0	Integrated Multilayer Switch and CPU
	BCM53718 A1	
	BCM53718 A2	
BCM53720	BCM53724 A0	Integrated Multilayer Switch and CPU
	BCM53724 B0	
	BCM53726 A0	Integrated Multilayer Switch and CPU
	BCM53726 B0	
BCM56010	BCM56014 A0	Integrated Multilayer Switch and CPU
	BCM56014 A1	
	BCM56014 A2	
	BCM56018 A0	48-Port Integrated Multilayer Switch and CPU
	BCM56018 A1	
	BCM56018 A2	
BCM56020	BCM56024 A0	24-Port Integrated Multilayer Switch and CPU
	BCM56024 B0	
	BCM56025 A0	24-Port Integrated L2 Switch and CPU
	BCM56025 B0	
BCM56110	BCM56110 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Multilayer Switch
	BCM56111 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Multilayer Switch with One 10-Gigabit Ethernet/HiGig Port
	BCM56112 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Multilayer Switch with Two 10-Gigabit Ethernet/HiGig Ports

Table 7: CDK Device Support

Family	Devices	Description
	BCM56115 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Layer 2 Switch
	BCM56116 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Layer 2 Switch with One 10-Gigabit Ethernet/HiGig Port
	BCM56117 A0	24-Port Fast Ethernet and 2-Port Gigabit Ethernet Layer 2 Switch with Two 10-Gigabit Ethernet/HiGig Ports
BCM56142	BCM56142 A0	24-Port GbE Multilayer Switch with Two 10-GbE/HiGig2 Uplink Ports
BCM56143	BCM56143 A0	24-Port GbE Multilayer Switch with Two 1/2.5G and Two HiGig-Duo Uplink Ports
BCM56144	BCM56144 A0	16-Port GbE Multilayer Switch with Four 1G/2.5G Uplink Ports
BCM56146	BCM56146 A0	24-Port FE Multilayer Switch with Four 1G/2.5G Uplink Ports
BCM56147	BCM56147 A0	24-Port FE Multilayer Switch with Four 1G/2.5G Uplink Ports
BCM56210	BCM56214 A0	Integrated Multilayer Switch and CPU
	BCM56214 A1	
	BCM56214 A2	
	BCM56216 A0	Integrated Multilayer Switch and CPU
	BCM56216 A1	
	BCM56216 A2	
	BCM56218 A0	Integrated Multilayer Switch and CPU
	BCM56218 A1	
	BCM56218 A2	
BCM56220	BCM56224 A0	24 GbE + 4 x 1 Gb/2.5 Gb, L3/L2+
	BCM56224 B0	
	BCM56225 A0	24 GbE + 4 x 1 Gb/2.5 Gb, L2+
	BCM56225 B0	
	BCM56226 A0	16 GbE + 4 x 1 Gb/2.5 Gb, L3/L2+
	BCM56226 B0	
	BCM56227 A0	16 GbE + 4 x 1 Gb/2.5 Gb, L2+
	BCM56227 B0	
	BCM56228 A0	8 GbE + 4 x 1 Gb/2.5 Gb, L3/L2+
	BCM56228 B0	
	BCM56229 A0	16 GbE + 4 x 1 Gb/2.5 Gb, L2+
	BCM56229 B0	
BCM56300	BCM56300 A0	24-Port Gigabit Ethernet Multilayer Switch
	BCM56300 A1	
	BCM56300 B0	
	BCM56300 B1	
	BCM56301 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56301 A1	
	BCM56301 B0	
	BCM56301 B1	
	BCM56302 A0	24-Port Gigabit Ethernet Multilayer Switch with Two 10-Gigabit Ethernet/HiGig+ Ports
	BCM56302 A1	
	BCM56302 B0	
	BCM56302 B1	

Table 7: CDK Device Support

Family	Devices	Description
	BCM56303 A0	24-Port Gigabit Ethernet Multilayer Switch with Three 10 Gigabit Ethernet/HiGig+ Ports
	BCM56303 A1	
	BCM56303 B0	
	BCM56303 B1	
	BCM56304 A0	24-Port Gigabit Ethernet Multilayer Switch with Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56304 A1	
	BCM56304 B0	
	BCM56304 B1	
	BCM56305 A0	24-Port Gigabit Ethernet Multilayer Switch
	BCM56305 A1	
	BCM56305 B0	
	BCM56305 B1	
	BCM56306 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56306 A1	
	BCM56306 B0	
	BCM56306 B1	
	BCM56307 A0	24-Port GE L2 Switch with Two 10 GE/HiGig+ Ports
	BCM56307 A1	
	BCM56307 B0	
	BCM56307 B1	
	BCM56308 A0	24-Port GE L2 Switch with Three 10 GE/HiGig+ Ports
	BCM56308 A1	
	BCM56308 B0	
	BCM56308 B1	
	BCM56309 A0	24-Port GE L2 Switch with Four 10 GE/HiGig+ Ports
	BCM56309 A1	
	BCM56309 B0	
	BCM56309 B1	
BCM56310	BCM56310 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+ Uplink Ports
	BCM56311 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56312 A0	24-Port Gigabit Ethernet Multilayer Switch with Two 10-Gigabit Ethernet/HiGig+ Ports
	BCM56313 A0	24-Port Gigabit Ethernet Multilayer Switch with Three 10-Gigabit Ethernet/HiGig+ Ports
	BCM56314 A0	24-Port Gigabit Ethernet Multilayer Switch with Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56315 A0	24-Port Gigabit Ethernet Multilayer Switch
	BCM56316 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56317 A0	24-Port Gigabit Ethernet Layer 2 Switch with Two 10-Gigabit Ethernet/HiGig+ Ports
	BCM56318 A0	24-Port Gigabit Ethernet Layer 2 Switch with Three 10-Gigabit Ethernet/HiGig+ Ports
	BCM56319 A0	24-Port Gigabit Ethernet Layer 2 Switch with Four 10-Gigabit Ethernet/HiGig+ Ports
BCM56334	BCM56132 A0	24-Port GbE Multilayer Switch with 2 10-GbE/HiGig2 Uplink Ports and 2 HG lite
	BCM56132 B0	
	BCM56132 B1	

Table 7: CDK Device Support

Family	Devices	Description
	BCM56134 A0	24-Port GbE Multilayer Switch with 4 HG lite
	BCM56134 B0	
	BCM56134 B1	
	BCM56320 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56320 B0	
	BCM56320 B1	
	BCM56321 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56321 B0	
	BCM56321 B1	
	BCM56331 A0	24-Port GbE Multilayer Switch with Four 2.5-GbE Uplink Ports
	BCM56331 B0	
	BCM56331 B1	
	BCM56333 A0	16-Port GbE Multilayer Switch
	BCM56333 B0	
	BCM56333 B1	
	BCM56334 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56334 B0	
	BCM56334 B1	
	BCM56338 A0	8-Port GbE Multilayer Switch with 2 10-GbE/HiGig2 Uplink Ports
	BCM56338 B0	
	BCM56338 B1	
BCM56500	BCM56500 A0	24-Port Gigabit Ethernet Multilayer Switch
	BCM56500 A1	
	BCM56500 B0	
	BCM56500 B1	
	BCM56500 B2	
	BCM56501 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56501 A1	
	BCM56501 B0	
	BCM56501 B1	
	BCM56501 B2	
	BCM56502 A0	24-Port GbE Multilayer Switch with Two 10-GbE/HiGig+ Ports
	BCM56502 A1	
	BCM56502 B0	
	BCM56502 B1	
	BCM56502 B2	
	BCM56503 A0	24-Port GbE Multilayer Switch with Three 10-GbE/HiGig+ Ports
	BCM56503 A1	
	BCM56503 B0	
	BCM56503 B1	
	BCM56503 B2	

Table 7: CDK Device Support

Family	Devices	Description
	BCM56504 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig+ Ports
	BCM56504 A1	
	BCM56504 B0	
	BCM56504 B1	
	BCM56504 B2	
	BCM56505 A0	24-Port GbE Layer 2 Switch
	BCM56505 A1	
	BCM56505 B0	
	BCM56505 B1	
	BCM56505 B2	
	BCM56506 A0	Four 10-Gigabit Ethernet/HiGig+ Ports
	BCM56506 A1	
	BCM56506 B0	
	BCM56506 B1	
	BCM56506 B2	
	BCM56507 A0	24-Port GbE Layer 2 Switch with Two 10-GbE/HiGig+ Ports
	BCM56507 A1	
	BCM56507 B0	
	BCM56507 B1	
	BCM56507 B2	
	BCM56508 A0	24-Port GbE Layer 2 Switch with Three 10-GbE/HiGig+ Ports
	BCM56508 A1	
	BCM56508 B0	
	BCM56508 B1	
	BCM56508 B2	
	BCM56509 A0	24-Port GbE Layer 2 Switch with Four 10-GbE/HiGig+ Ports
	BCM56509 A1	
	BCM56509 B0	
	BCM56509 B1	
	BCM56509 B2	
BCM56510	BCM56510 A0	24-Port Gigabit Ethernet Multilayer Switch
	BCM56511 A0	Four-Port 10-GbE/HIGIG+ Multilayer Switch
	BCM56512 A0	24-Port GbE Multilayer Switch With Two 10-GbE/HiGig+ Ports
	BCM56513 A0	24-Port GbE Multilayer Switch With Three 10-GbE/HiGig+ Ports
	BCM56514 A0	24-Port GbE Multilayer Switch With Four 10-GbE/HiGig+ Ports
	BCM56515 A0	24-Port GbE Multilayer Switch
	BCM56516 A0	Four-Port 10-GbE/HIGIG+ Multilayer Switch
	BCM56517 A0	24-Port GbE Multilayer Switch
	BCM56518 A0	24-Port GbE Multilayer Switch
	BCM56519 A0	24-Port GbE Multilayer Switch
BCM56520	BCM56520 A0	24-Port GbE Multilayer Switch

Table 7: CDK Device Support

Family	Devices	Description
	BCM56520 B0	
	BCM56521 A0	24-Port GbE Multilayer Switch
	BCM56521 B0	
	BCM56522 A0	24-Port GbE Multilayer Switch with Two 10-GbE/HiGig2 Uplink Ports
	BCM56522 B0	
	BCM56524 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56524 B0	
	BCM56526 A0	28-Port GbE Multilayer Switch with Six 10-GbE/HiGig2 Uplink Ports
	BCM56526 B0	
BCM56580	BCM56580 A0	16 x 2.5 GbE + 4 x 10 GbE Ethernet Multilayer Switch
BCM56610	BCM56613 A0	Queueing Engine with Integrated Traffic Management
BCM56620	BCM56620 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56620 A1	
	BCM56620 B0	
	BCM56620 B1	
	BCM56624 A0	48-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56624 A1	
	BCM56624 B0	
	BCM56624 B1	
	BCM56626 A0	24-Port GbE + 2-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56626 A1	
	BCM56626 B0	
	BCM56626 B1	
	BCM56628 A0	4-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56628 A1	
	BCM56628 B0	
	BCM56628 B1	
BCM56629	BCM56629 A0	24-Port GbE + 4-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56629 A1	
	BCM56629 B0	
	BCM56629 B1	
BCM56630	BCM56630 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56630 B0	
	BCM56634 A0	48-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56634 B0	
	BCM56636 A0	24-Port GbE + 2-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56636 B0	
	BCM56638 A0	4-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56638 B0	
	BCM56639 A0	24-Port GbE + 4-Port 10-GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56639 B0	
BCM56680	BCM56680 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports

Table 7: CDK Device Support

Family	Devices	Description
	BCM56680 A1	
	BCM56680 B0	
	BCM56680 B1	
	BCM56684 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56684 A1	
	BCM56684 B0	
	BCM56684 B1	
	BCM56686 B0	6-Port, 144-Gbps Lossless Switch Fabric
	BCM56686 B1	
BCM56685	BCM56685 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56685 B0	
	BCM56689 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Uplink Ports
	BCM56689 B0	
BCM56700	BCM56700 A0	16-Port, 192-Gbps Lossless Switch Fabric
	BCM56701 A0	12-Port, 144-Gbps Lossless Switch Fabric
BCM56720	BCM56720 A0	16-Port, 16-Gbps, HiGig2 Switch Fabric
	BCM56721 A0	12-Port, 16-Gbps, HiGig2 Switch Fabric
BCM56725	BCM56725 A0	8-Port 20-Gbps + 4-Port 16-Gbps, HiGig2 Switch Fabric
BCM56800	BCM56800 A0	20-Port 10-Gigabit Ethernet Multilayer Switch
	BCM56801 A0	10-Port 10-Gigabit Ethernet and 8-Port HiGig2/10GbE Multilayer Switch
	BCM56802 A0	16-Port 10-GbE/HiGig2 Multilayer Switch
	BCM56803 A0	12-Port 10-GbE/HiGig2 Multilayer Switch
BCM56820	BCM56820 A0	24 x 10-GbE + 4 x 1-GbE Ethernet Multilayer Switch
	BCM56820 B0	
	BCM56821 A0	12 x 10-GbE + 8 x HG[16] + 4 x 1-GbE Ethernet Multilayer Switch
	BCM56821 B0	
	BCM56822 A0	12 x 10-GbE + 4 x HG[20] + 4 x 1-GbE Ethernet Multilayer Switch
	BCM56822 B0	
	BCM56823 A0	8 x HG[20] + 4 x HG[16] + 4 x 1-GbE Ethernet Multilayer Switch
	BCM56823 B0	
BCM56840	BCM56743 A0	480 Gbps Switch Fabric
	BCM56743 A1	
	BCM56743 A2	
	BCM56743 A3	
	BCM56743 A4	
	BCM56743 B0	
	BCM56743 B1	
	BCM56744 A0	480 Gbps Switch Fabric
	BCM56744 A1	
	BCM56745 A0	640 Gbps Switch Fabric
	BCM56745 A1	
	BCM56745 A2	

Table 7: CDK Device Support

Family	Devices	Description
	BCM56745 A3	
	BCM56745 A4	
	BCM56745 B0	
	BCM56745 B1	
	BCM56746 A0	640 Gbps Switch Fabric
	BCM56746 A1	
	BCM56840 A0	480 Gbps Ethernet Multilayer Switch
	BCM56840 A1	
	BCM56840 A2	
	BCM56840 A3	
	BCM56840 A4	
	BCM56840 B0	
	BCM56840 B1	
	BCM56841 A0	320 Gbps Ethernet Multilayer Switch
	BCM56841 A1	
	BCM56841 A2	
	BCM56841 A3	
	BCM56841 A4	
	BCM56841 B0	
	BCM56841 B1	
	BCM56842 A0	320 Gbps Ethernet Multilayer Switch
	BCM56842 A1	
	BCM56843 A0	480 Gbps Ethernet Multilayer Switch
	BCM56843 A1	
	BCM56843 A2	
	BCM56843 A3	
	BCM56843 A4	
	BCM56843 B0	
	BCM56843 B1	
	BCM56844 A0	480 Gbps Ethernet Multilayer Switch
	BCM56844 A1	
	BCM56845 A0	640 Gbps Ethernet Multilayer Switch
	BCM56845 A1	
	BCM56845 A2	
	BCM56845 A3	
	BCM56845 A4	
	BCM56845 B0	
	BCM56845 B1	
	BCM56846 A0	640 Gbps Ethernet Multilayer Switch
	BCM56846 A1	
BCM56930	BCM56931 A0	XGS pass-through and standalone Traffic Manager, 50Gbps

Table 7: CDK Device Support

Family	Devices	Description
	BCM56936 A0	XGS pass-through and standalone Traffic Manager, 80Gbps
BCM88230	BCM88230 A0	Queueing Engine with Integrated Traffic Management
	BCM88231 A0	Queueing Engine with Integrated Traffic Management
	BCM88235 A0	Queueing Engine with Integrated Traffic Management
	BCM88236 A0	Queueing Engine with Integrated Traffic Management
BCM56440	BCM56241 A0	6-Port FE Multilayer Switch with Two 2.5G Uplink Ports
	BCM56241 B0	
	BCM56249 A0	24-Port FE Multilayer Switch with Two 2.5HGL and Two 10-GbE/HiGig2 Uplink Ports
	BCM56249 B0	
	BCM56440 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Ports
	BCM56440 B0	
	BCM56441 A0	8-Port GbE Multilayer Switch with Two 10-GbE/HiGig2 Uplink Ports
	BCM56441 B0	
	BCM56442 A0	16-Port GbE Multilayer Switch
	BCM56442 B0	
	BCM56443 A0	8-Port 2.5G Multilayer Switch with Two 10-GbE/HiGig2 Uplink Ports
	BCM56443 B0	
	BCM56444 A0	24-Port FE Multilayer Switch with Two 2.5HGL and Two 10-GbE/HiGig2 Uplink Ports
	BCM56444 B0	
	BCM56445 A0	24-Port GbE Multilayer Switch with Four 10-GbE/HiGig2 Ports
	BCM56445 B0	
	BCM56446 A0	8-Port GbE Multilayer Switch with Two 10-GbE/HiGig2 Uplink Ports
	BCM56446 B0	
	BCM56447 A0	16-Port GbE Multilayer Switch
	BCM56447 B0	
	BCM56448 A0	24-Port GbE Multilayer Switch with Four 2.5G uplink Ports
	BCM56448 B0	
	BCM56449 A0	Multilayer Switch with Two 2.5HGL and Two 10-GbE/HiGig2 Uplink Ports
	BCM56449 B0	
BCM56540	BCM56540 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56540 A1	
	BCM56540 B0	
	BCM56541 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56541 A1	
	BCM56541 B0	
	BCM56542 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56542 A1	
	BCM56542 B0	
	BCM56544 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56544 A1	
	BCM56544 B0	

Table 7: CDK Device Support

Family	Devices	Description
	BCM56545 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56545 A1	
	BCM56545 B0	
	BCM56546 A0	High-Bandwidth 1/10/40-GbE Multilayer Ethernet Switch
	BCM56546 A1	
	BCM56546 B0	
BCM56640	BCM56045 B0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56046 B0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56640 A0	Extensible 1/10/40/100-GbE Multilayer Ethernet Switch
	BCM56640 A1	
	BCM56640 B0	
	BCM56643 A0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56643 A1	
	BCM56643 B0	
	BCM56644 A0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56644 A1	
	BCM56644 B0	
	BCM56648 A0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56648 A1	
	BCM56648 B0	
	BCM56649 A0	Extensible 1/10/40-GbE Multilayer Ethernet Switch
	BCM56649 A1	
	BCM56649 B0	
BCM56850	BCM56750 A0	1280 Gbps Switch Fabric
	BCM56750 A1	
	BCM56750 A2	
	BCM56850 A0	96x10G/32x40G/8x100G Ethernet Multilayer Switch
	BCM56850 A1	
	BCM56850 A2	
	BCM56851 A0	96x10G/32x40G Ethernet Multilayer Switch
	BCM56851 A1	
	BCM56851 A2	
	BCM56852 A0	96x10G/24x40G/8x100G Ethernet Multilayer Switch
	BCM56852 A1	
	BCM56852 A2	
	BCM56855 A0	72x10G/18x40G Ethernet Multilayer Switch
	BCM56855 A1	
	BCM56855 A2	

BMD BASE DRIVER PACKAGES

The following BMD Base Driver Packages are supported:

Table 8: BMD Base Driver Packages

BMD Base Driver Package	Codename	Product Family	Arch
bcm53010_a0	Northstar	BCM53010	RoboSwitch
bcm53084_a0	Navigator	BCM53084	RoboSwitch
bcm53101_a0	Lotus	BCM53101	RoboSwitch
bcm53115_a0	Vulcan	BCM53115	RoboSwitch
bcm53118_a0	Blackbird	BCM53118	RoboSwitch
bcm53125_a0	Starfighter	BCM53125	RoboSwitch
bcm53128_a0	Blackbird2	BCM53128	RoboSwitch
bcm53280_a0	Thunderbolt	BCM53280	RoboSwitch
bcm53280_b0	Thunderbolt	BCM53280	RoboSwitch
bcm53600_a0	Voyager	BCM53600	RoboSwitch
bcm89500_a0	Polar	BCM89500	RoboSwitch
bcm53314_a0	Hawkeye	BCM53310	StrataXGS
bcm53324_a0	Hawkeye EEE	BCM53324	StrataXGS
bcm56112_a0	Felix+	BCM56110	StrataXGS
bcm56142_a0	Hurricane	BCM56142	StrataXGS
bcm56218_a0	Raptor	BCM56210	StrataXGS
bcm56224_a0	Raven	BCM56220	StrataXGS
bcm56224_b0	Raven	BCM56220	StrataXGS
bcm56304_b0	Helix	BCM56300	StrataXGS
bcm56314_a0	Helix+	BCM56310	StrataXGS
bcm56334_a0	Enduro	BCM56334	StrataXGS
bcm56334_b0	Enduro	BCM56334	StrataXGS
bcm56504_b0	Firebolt	BCM56500	StrataXGS
bcm56514_a0	Firebolt2	BCM56510	StrataXGS
bcm56524_a0	Apollo	BCM56520	StrataXGS
bcm56524_b0	Apollo	BCM56520	StrataXGS
bcm56624_a0	Triumph	BCM56620	StrataXGS
bcm56624_b0	Triumph	BCM56620	StrataXGS
bcm56634_a0	Triumph2	BCM56630	StrataXGS
bcm56634_b0	Triumph2	BCM56630	StrataXGS
bcm56680_a0	Valkyrie	BCM56680	StrataXGS
bcm56680_b0	Valkyrie	BCM56680	StrataXGS
bcm56685_a0	Valkyrie2	BCM56685	StrataXGS
bcm56685_b0	Valkyrie2	BCM56685	StrataXGS
bcm56725_a0	Conqueror	BCM56725	StrataXGS
bcm56800_a0	Bradley	BCM56800	StrataXGS
bcm56820_a0	Scorpion	BCM56820	StrataXGS
bcm56840_a0	Trident	BCM56840	StrataXGS
bcm56840_b0	Trident	BCM56840	StrataXGS
bcm56440_a0	Katana	BCM56440	StrataXGS
bcm56440_b0	Katana	BCM56440	StrataXGS
bcm56640_a0	Triumph3	BCM56640	StrataXGS

Table 8: BMD Base Driver Packages

BMD Base Driver Package	Codename	Product Family	Arch
bcm56640_b0	Triumph3	BCM56640	StrataXGS
bcm56850_a0	Trident2	BCM56850	StrataXGS

BMD DEVICE SUPPORT

The BMD API is supported on the following devices using the listed Base Driver package.

Table 9: BMD Device Support

Family	Device	BMD Base Driver
BCM53010	BCM53010 A0	bcm53010_a0
	BCM53010 A2	bcm53010_a0
	BCM53011 A0	bcm53010_a0
	BCM53011 A2	bcm53010_a0
	BCM53012 A0	bcm53010_a0
	BCM53012 A2	bcm53010_a0
	BCM53017 A0	bcm53010_a0
	BCM53018 A0	bcm53010_a0
	BCM53019 A0	bcm53010_a0
BCM53084	BCM53084 A0	bcm53084_a0
BCM53101	BCM53101 A0	bcm53101_a0
	BCM53101 B0	bcm53101_a0
BCM53115	BCM53115 A0	bcm53115_a0
BCM53118	BCM53118 A0	bcm53118_a0
BCM53125	BCM53125 A0	bcm53125_a0
	BCM53125 B0	bcm53125_a0
BCM53128	BCM53128 A0	bcm53128_a0
	BCM53128 B0	bcm53128_a0
BCM53280	BCM53280 A0	bcm53280_a0
	BCM53280 B0	bcm53280_b0
	BCM53280 B1	bcm53280_b0
	BCM53280 B2	bcm53280_b0
	BCM53282 A0	bcm53280_a0
	BCM53282 B0	bcm53280_b0
	BCM53282 B1	bcm53280_b0
	BCM53282 B2	bcm53280_b0
	BCM53283 A0	bcm53280_a0
	BCM53283 B0	bcm53280_b0
	BCM53283 B1	bcm53280_b0
	BCM53283 B2	bcm53280_b0
	BCM53284 A0	bcm53280_a0
	BCM53284 B0	bcm53280_b0

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM53284 B1	`bcm53280_b0`
	BCM53284 B2	`bcm53280_b0`
	BCM53286 A0	`bcm53280_a0`
	BCM53286 B0	`bcm53280_b0`
	BCM53286 B1	`bcm53280_b0`
	BCM53286 B2	`bcm53280_b0`
BCM53600	BCM53600 A0	`bcm53600_a0`
	BCM53604 A0	`bcm53600_a0`
BCM89500	BCM89200 A0	`bcm89500_a0`
	BCM89500 A0	`bcm89500_a0`
	BCM89501 A0	`bcm89500_a0`
BCM53310	BCM53312 A0	`bcm53314_a0`
	BCM53313 A0	`bcm53314_a0`
	BCM53314 A0	`bcm53314_a0`
BCM53324	BCM53322 A0	`bcm53324_a0`
	BCM53323 A0	`bcm53324_a0`
	BCM53324 A0	`bcm53324_a0`
BCM53710	BCM53714 A0	`bcm56218_a0`
	BCM53714 A1	`bcm56218_a0`
	BCM53714 A2	`bcm56218_a0`
	BCM53716 A0	`bcm56218_a0`
	BCM53716 A1	`bcm56218_a0`
	BCM53716 A2	`bcm56218_a0`
	BCM53718 A0	`bcm56218_a0`
	BCM53718 A1	`bcm56218_a0`
	BCM53718 A2	`bcm56218_a0`
BCM53720	BCM53724 A0	`bcm56224_a0`
	BCM53724 B0	`bcm56224_b0`
	BCM53726 A0	`bcm56224_a0`
	BCM53726 B0	`bcm56224_b0`
BCM56010	BCM56014 A0	`bcm56218_a0`
	BCM56014 A1	`bcm56218_a0`
	BCM56014 A2	`bcm56218_a0`
	BCM56018 A0	`bcm56218_a0`
	BCM56018 A1	`bcm56218_a0`
	BCM56018 A2	`bcm56218_a0`
BCM56020	BCM56024 A0	`bcm56224_a0`
	BCM56024 B0	`bcm56224_b0`
	BCM56025 A0	`bcm56224_a0`
	BCM56025 B0	`bcm56224_b0`
BCM56110	BCM56110 A0	`bcm56112_a0`
	BCM56111 A0	`bcm56112_a0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM56112 A0	`bcm56112_a0`
	BCM56115 A0	`bcm56112_a0`
	BCM56116 A0	`bcm56112_a0`
	BCM56117 A0	`bcm56112_a0`
BCM56142	BCM56142 A0	`bcm56142_a0`
BCM56143	BCM56143 A0	`bcm56142_a0`
BCM56144	BCM56144 A0	`bcm56142_a0`
BCM56146	BCM56146 A0	`bcm56142_a0`
BCM56147	BCM56147 A0	`bcm56142_a0`
BCM56210	BCM56214 A0	`bcm56218_a0`
	BCM56214 A1	`bcm56218_a0`
	BCM56214 A2	`bcm56218_a0`
	BCM56216 A0	`bcm56218_a0`
	BCM56216 A1	`bcm56218_a0`
	BCM56216 A2	`bcm56218_a0`
	BCM56218 A0	`bcm56218_a0`
	BCM56218 A1	`bcm56218_a0`
	BCM56218 A2	`bcm56218_a0`
BCM56220	BCM56224 A0	`bcm56224_a0`
	BCM56224 B0	`bcm56224_b0`
	BCM56225 A0	`bcm56224_a0`
	BCM56225 B0	`bcm56224_b0`
	BCM56226 A0	`bcm56224_a0`
	BCM56226 B0	`bcm56224_b0`
	BCM56227 A0	`bcm56224_a0`
	BCM56227 B0	`bcm56224_b0`
	BCM56228 A0	`bcm56224_a0`
	BCM56228 B0	`bcm56224_b0`
	BCM56229 A0	`bcm56224_a0`
	BCM56229 B0	`bcm56224_b0`
BCM56300	BCM56300 B0	`bcm56304_b0`
	BCM56300 B1	`bcm56304_b0`
	BCM56301 B0	`bcm56304_b0`
	BCM56301 B1	`bcm56304_b0`
	BCM56302 B0	`bcm56304_b0`
	BCM56302 B1	`bcm56304_b0`
	BCM56303 B0	`bcm56304_b0`
	BCM56303 B1	`bcm56304_b0`
	BCM56304 B0	`bcm56304_b0`
	BCM56304 B1	`bcm56304_b0`
	BCM56305 B0	`bcm56304_b0`
	BCM56305 B1	`bcm56304_b0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM56306 B0	bcm56304_b0
	BCM56306 B1	bcm56304_b0
	BCM56307 B0	bcm56304_b0
	BCM56307 B1	bcm56304_b0
	BCM56308 B0	bcm56304_b0
	BCM56308 B1	bcm56304_b0
	BCM56309 B0	bcm56304_b0
	BCM56309 B1	bcm56304_b0
BCM56310	BCM56310 A0	bcm56314_a0
	BCM56311 A0	bcm56314_a0
	BCM56312 A0	bcm56314_a0
	BCM56313 A0	bcm56314_a0
	BCM56314 A0	bcm56314_a0
	BCM56315 A0	bcm56314_a0
	BCM56316 A0	bcm56314_a0
	BCM56317 A0	bcm56314_a0
	BCM56318 A0	bcm56314_a0
	BCM56319 A0	bcm56314_a0
BCM56334	BCM56132 A0	bcm56334_a0
	BCM56132 B0	bcm56334_b0
	BCM56132 B1	bcm56334_b0
	BCM56134 A0	bcm56334_a0
	BCM56134 B0	bcm56334_b0
	BCM56134 B1	bcm56334_b0
	BCM56320 A0	bcm56334_a0
	BCM56320 B0	bcm56334_b0
	BCM56320 B1	bcm56334_b0
	BCM56321 A0	bcm56334_a0
	BCM56321 B0	bcm56334_b0
	BCM56321 B1	bcm56334_b0
	BCM56331 A0	bcm56334_a0
	BCM56331 B0	bcm56334_b0
	BCM56331 B1	bcm56334_b0
	BCM56333 A0	bcm56334_a0
	BCM56333 B0	bcm56334_b0
	BCM56333 B1	bcm56334_b0
	BCM56334 A0	bcm56334_a0
	BCM56334 B0	bcm56334_b0
	BCM56334 B1	bcm56334_b0
	BCM56338 A0	bcm56334_a0
	BCM56338 B0	bcm56334_b0

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM56338 B1	`bcm56334_b0`
BCM56500	BCM56500 B0	`bcm56504_b0`
	BCM56500 B1	`bcm56504_b0`
	BCM56500 B2	`bcm56504_b0`
	BCM56501 B0	`bcm56504_b0`
	BCM56501 B1	`bcm56504_b0`
	BCM56501 B2	`bcm56504_b0`
	BCM56502 B0	`bcm56504_b0`
	BCM56502 B1	`bcm56504_b0`
	BCM56502 B2	`bcm56504_b0`
	BCM56503 B0	`bcm56504_b0`
	BCM56503 B1	`bcm56504_b0`
	BCM56503 B2	`bcm56504_b0`
	BCM56504 B0	`bcm56504_b0`
	BCM56504 B1	`bcm56504_b0`
	BCM56504 B2	`bcm56504_b0`
	BCM56505 B0	`bcm56504_b0`
	BCM56505 B1	`bcm56504_b0`
	BCM56505 B2	`bcm56504_b0`
	BCM56506 B0	`bcm56504_b0`
	BCM56506 B1	`bcm56504_b0`
	BCM56506 B2	`bcm56504_b0`
	BCM56507 B0	`bcm56504_b0`
	BCM56507 B1	`bcm56504_b0`
	BCM56507 B2	`bcm56504_b0`
	BCM56508 B0	`bcm56504_b0`
	BCM56508 B1	`bcm56504_b0`
	BCM56508 B2	`bcm56504_b0`
	BCM56509 B0	`bcm56504_b0`
	BCM56509 B1	`bcm56504_b0`
	BCM56509 B2	`bcm56504_b0`
BCM56510	BCM56510 A0	`bcm56514_a0`
	BCM56511 A0	`bcm56514_a0`
	BCM56512 A0	`bcm56514_a0`
	BCM56513 A0	`bcm56514_a0`
	BCM56514 A0	`bcm56514_a0`
	BCM56515 A0	`bcm56514_a0`
	BCM56516 A0	`bcm56514_a0`
	BCM56517 A0	`bcm56514_a0`
	BCM56518 A0	`bcm56514_a0`
	BCM56519 A0	`bcm56514_a0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
BCM56520	BCM56520 A0	bcm56524_a0
	BCM56520 B0	bcm56524_b0
	BCM56521 A0	bcm56634_a0
	BCM56521 B0	bcm56634_b0
	BCM56522 A0	bcm56524_a0
	BCM56522 B0	bcm56524_b0
	BCM56524 A0	bcm56524_a0
	BCM56524 B0	bcm56524_b0
	BCM56526 A0	bcm56634_a0
	BCM56526 B0	bcm56634_b0
BCM56580	BCM56580 A0	bcm56800_a0
BCM56620	BCM56620 A0	bcm56624_a0
	BCM56620 A1	bcm56624_a0
	BCM56620 B0	bcm56624_b0
	BCM56620 B1	bcm56624_b0
	BCM56624 A0	bcm56624_a0
	BCM56624 A1	bcm56624_a0
	BCM56624 B0	bcm56624_b0
	BCM56624 B1	bcm56624_b0
	BCM56626 A0	bcm56624_a0
	BCM56626 A1	bcm56624_a0
	BCM56626 B0	bcm56624_b0
	BCM56626 B1	bcm56624_b0
	BCM56628 A0	bcm56624_a0
	BCM56628 A1	bcm56624_a0
	BCM56628 B0	bcm56624_b0
	BCM56628 B1	bcm56624_b0
BCM56629	BCM56629 A0	bcm56624_a0
	BCM56629 A1	bcm56624_a0
	BCM56629 B0	bcm56624_b0
	BCM56629 B1	bcm56624_b0
BCM56630	BCM56630 A0	bcm56634_a0
	BCM56630 B0	bcm56634_b0
	BCM56634 A0	bcm56634_a0
	BCM56634 B0	bcm56634_b0
	BCM56636 A0	bcm56634_a0
	BCM56636 B0	bcm56634_b0
	BCM56638 A0	bcm56634_a0
	BCM56638 B0	bcm56634_b0
	BCM56639 A0	bcm56634_a0
	BCM56639 B0	bcm56634_b0

Table 9: BMD Device Support

Family	Device	BMD Base Driver
BCM56680	BCM56680 A0	`bcm56680_a0`
	BCM56680 A1	`bcm56680_a0`
	BCM56680 B0	`bcm56680_b0`
	BCM56680 B1	`bcm56680_b0`
	BCM56684 A0	`bcm56680_a0`
	BCM56684 A1	`bcm56680_a0`
	BCM56684 B0	`bcm56680_b0`
	BCM56684 B1	`bcm56680_b0`
	BCM56686 B0	`bcm56680_b0`
	BCM56686 B1	`bcm56680_b0`
BCM56685	BCM56685 A0	`bcm56685_a0`
	BCM56685 B0	`bcm56685_b0`
	BCM56689 A0	`bcm56685_a0`
	BCM56689 B0	`bcm56685_b0`
BCM56700	BCM56700 A0	`bcm56800_a0`
	BCM56701 A0	`bcm56800_a0`
BCM56720	BCM56720 A0	`bcm56725_a0`
	BCM56721 A0	`bcm56725_a0`
BCM56725	BCM56725 A0	`bcm56725_a0`
BCM56800	BCM56800 A0	`bcm56800_a0`
	BCM56801 A0	`bcm56800_a0`
	BCM56802 A0	`bcm56800_a0`
	BCM56803 A0	`bcm56800_a0`
BCM56820	BCM56820 A0	`bcm56820_a0`
	BCM56820 B0	`bcm56820_a0`
	BCM56821 A0	`bcm56820_a0`
	BCM56821 B0	`bcm56820_a0`
	BCM56822 A0	`bcm56820_a0`
	BCM56822 B0	`bcm56820_a0`
	BCM56823 A0	`bcm56820_a0`
	BCM56823 B0	`bcm56820_a0`
BCM56840	BCM56743 A0	`bcm56840_a0`
	BCM56743 A1	`bcm56840_a0`
	BCM56743 A2	`bcm56840_a0`
	BCM56743 A3	`bcm56840_a0`
	BCM56743 A4	`bcm56840_a0`
	BCM56743 B0	`bcm56840_b0`
	BCM56743 B1	`bcm56840_b0`
	BCM56744 A0	`bcm56840_b0`
	BCM56744 A1	`bcm56840_b0`
	BCM56745 A0	`bcm56840_a0`
	BCM56745 A1	`bcm56840_a0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM56745 A2	`bcm56840_a0`
	BCM56745 A3	`bcm56840_a0`
	BCM56745 A4	`bcm56840_a0`
	BCM56745 B0	`bcm56840_b0`
	BCM56745 B1	`bcm56840_b0`
	BCM56746 A0	`bcm56840_b0`
	BCM56746 A1	`bcm56840_b0`
	BCM56840 A0	`bcm56840_a0`
	BCM56840 A1	`bcm56840_a0`
	BCM56840 A2	`bcm56840_a0`
	BCM56840 A3	`bcm56840_a0`
	BCM56840 A4	`bcm56840_a0`
	BCM56840 B0	`bcm56840_b0`
	BCM56840 B1	`bcm56840_b0`
	BCM56841 A0	`bcm56840_a0`
	BCM56841 A1	`bcm56840_a0`
	BCM56841 A2	`bcm56840_a0`
	BCM56841 A3	`bcm56840_a0`
	BCM56841 A4	`bcm56840_a0`
	BCM56841 B0	`bcm56840_b0`
	BCM56841 B1	`bcm56840_b0`
	BCM56842 A0	`bcm56840_b0`
	BCM56842 A1	`bcm56840_b0`
	BCM56843 A0	`bcm56840_a0`
	BCM56843 A1	`bcm56840_a0`
	BCM56843 A2	`bcm56840_a0`
	BCM56843 A3	`bcm56840_a0`
	BCM56843 A4	`bcm56840_a0`
	BCM56843 B0	`bcm56840_b0`
	BCM56843 B1	`bcm56840_b0`
	BCM56844 A0	`bcm56840_b0`
	BCM56844 A1	`bcm56840_b0`
	BCM56845 A0	`bcm56840_a0`
	BCM56845 A1	`bcm56840_a0`
	BCM56845 A2	`bcm56840_a0`
	BCM56845 A3	`bcm56840_a0`
	BCM56845 A4	`bcm56840_a0`
	BCM56845 B0	`bcm56840_b0`
	BCM56845 B1	`bcm56840_b0`
	BCM56846 A0	`bcm56840_b0`
	BCM56846 A1	`bcm56840_b0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
BCM56440	BCM56241 A0	`bcm56440_a0`
	BCM56241 B0	`bcm56440_b0`
	BCM56249 A0	`bcm56440_a0`
	BCM56249 B0	`bcm56440_b0`
	BCM56440 A0	`bcm56440_a0`
	BCM56440 B0	`bcm56440_b0`
	BCM56441 A0	`bcm56440_a0`
	BCM56441 B0	`bcm56440_b0`
	BCM56442 A0	`bcm56440_a0`
	BCM56442 B0	`bcm56440_b0`
	BCM56443 A0	`bcm56440_a0`
	BCM56443 B0	`bcm56440_b0`
	BCM56444 A0	`bcm56440_a0`
	BCM56444 B0	`bcm56440_b0`
	BCM56445 A0	`bcm56440_a0`
	BCM56445 B0	`bcm56440_b0`
	BCM56446 A0	`bcm56440_a0`
	BCM56446 B0	`bcm56440_b0`
	BCM56447 A0	`bcm56440_a0`
	BCM56447 B0	`bcm56440_b0`
	BCM56448 A0	`bcm56440_a0`
	BCM56448 B0	`bcm56440_b0`
	BCM56449 A0	`bcm56440_a0`
	BCM56449 B0	`bcm56440_b0`
BCM56540	BCM56540 A0	`bcm56640_a0`
	BCM56540 A1	`bcm56640_a0`
	BCM56540 B0	`bcm56640_b0`
	BCM56541 A0	`bcm56640_a0`
	BCM56541 A1	`bcm56640_a0`
	BCM56541 B0	`bcm56640_b0`
	BCM56542 A0	`bcm56640_a0`
	BCM56542 A1	`bcm56640_a0`
	BCM56542 B0	`bcm56640_b0`
	BCM56544 A0	`bcm56640_a0`
	BCM56544 A1	`bcm56640_a0`
	BCM56544 B0	`bcm56640_b0`
	BCM56545 A0	`bcm56640_a0`
	BCM56545 A1	`bcm56640_a0`
	BCM56545 B0	`bcm56640_b0`
	BCM56546 A0	`bcm56640_a0`
	BCM56546 A1	`bcm56640_a0`

Table 9: BMD Device Support

Family	Device	BMD Base Driver
	BCM56546 B0	bcm56640_b0
BCM56640	BCM56045 B0	bcm56640_b0
	BCM56046 B0	bcm56640_b0
	BCM56640 A0	bcm56640_a0
	BCM56640 A1	bcm56640_a0
	BCM56640 B0	bcm56640_b0
	BCM56643 A0	bcm56640_a0
	BCM56643 A1	bcm56640_a0
	BCM56643 B0	bcm56640_b0
	BCM56644 A0	bcm56640_a0
	BCM56644 A1	bcm56640_a0
	BCM56644 B0	bcm56640_b0
	BCM56648 A0	bcm56640_a0
	BCM56648 A1	bcm56640_a0
	BCM56648 B0	bcm56640_b0
	BCM56649 A0	bcm56640_a0
	BCM56649 A1	bcm56640_a0
	BCM56649 B0	bcm56640_b0
BCM56850	BCM56750 A0	bcm56850_a0
	BCM56750 A1	bcm56850_a0
	BCM56750 A2	bcm56850_a0
	BCM56850 A0	bcm56850_a0
	BCM56850 A1	bcm56850_a0
	BCM56850 A2	bcm56850_a0
	BCM56851 A0	bcm56850_a0
	BCM56851 A1	bcm56850_a0
	BCM56851 A2	bcm56850_a0
	BCM56852 A0	bcm56850_a0
	BCM56852 A1	bcm56850_a0
	BCM56852 A2	bcm56850_a0
	BCM56855 A0	bcm56850_a0
	BCM56855 A1	bcm56850_a0
	BCM56855 A2	bcm56850_a0

PHY DEVICE SUPPORT

The PHY library contains support for the following PHY devices:

Table 10: PHY Device Support

Device	Description
BCM5221	10/100BASE-TX/FX Octal-F(tm) Transceiver
BCM5228	10/100BASE-TX/FX Octal-F(tm) Transceiver
BCM5238	10/100BASE-TX Octal-f(tm) Transceiver
BCM5248	10/100BASE-TX Octal-F(tm) Transceiver
BCM5421	10/100/1000BASE-T Gigabit Copper Transceiver
BCM54380	Octal Gigabit Ethernet Transceiver (EEE)
BCM5461	10/100/1000BASE-T Gigabit Ethernet Transceiver
BCM54616	Octal 1000/100/10BASE-T Gigabit Ethernet Transceiver
BCM5464	Quad-Port 10/100/1000BASE-T Gigabit Copper Transceiver
BCM54640	Quad Gigabit Ethernet Transceiver
BCM54640E	Quad Gigabit Ethernet Transceiver (EEE)
BCM54680	Octal-Port 10/100/1000BASE-T Gigabit Ethernet Transceiver
BCM54680E	Octal Gigabit Ethernet Transceiver (EEE)
BCM54682E	Octal Gigabit Ethernet Transceiver (EEE)
BCM54684	Octal-Port 10/100/1000BASE-T Gigabit Ethernet Transceiver
BCM54684E	Octal Gigabit Ethernet Transceiver (EEE)
BCM54685	Octal Gigabit Ethernet Transceiver
BCM54685E	Octal Gigabit Ethernet Transceiver (EEE)
BCM5481	Single-Port 10/100/1000BASE-T Gigabit Ethernet Transceiver
BCM5482	Dual-Port 10/100/1000BASE-T Gigabit Ethernet Transceiver
BCM5488	Octal 1000/100/10BASE-T Gigabit Ethernet Transceiver
BCM54880E	Octal Gigabit Ethernet Transceiver (EEE)
BCM54980	Octal 1000/100/10BASE-T Gigabit Ethernet Transceiver
BCM8073	Dual-Channel Serial 10-GbE BASE-KR to XAUI Transceiver
BCM8074	Quad-Channel Serial 10-GbE BASE-KR to XAUI Transceiver
BCM84740	40GbE PPI to XLAUI Transceiver with EDC
BCM84834	Four-Port 10GBASE-T Transceiver
BCM8705	Serial 10-Gigabit Ethernet/Fibre Channel Transceiver with WIS Layer and XAUI Interface
BCM8706	XAUI to Serial 10G BASE-LRM Transceiver
BCM8727	Dual-Channel 10-GbE SFI-to-XAUI Transceiver with EDC
BCM8747	Quad-Channel 10-GbE SFI-to-XAUI Transceiver with EDC
BCM8752	Dual-Channel 10-GbE SFI-to-XFI Transceiver with EDC
BCM8754	Quad-Channel 10-GbE SFI-to-XFI Transceiver with EDC

The following PHY driver packages for integrated PHY cores are supported:

Table 11: Integrated PHY Drivers

Internal PHY Driver	Description
bcm53010	Internal BCM53010 GE PHY Driver
bcm53084	Internal BCM53084 GE PHY Driver
bcm53101	Internal BCM53101 FE PHY Driver
bcm53115	Internal BCM53115 Gigabit PHY Driver
bcm53118	Internal BCM53118 Gigabit PHY Driver
bcm53125	Internal BCM53125 FE PHY Driver
bcm53128	Internal BCM53128 FE PHY Driver
bcm53280	Internal BCM53280 FE PHY Driver

Table 11: Integrated PHY Drivers

Internal PHY Driver	Description
bcm53314	Internal BCM53314 Gigabit PHY Driver
bcm53324	Internal BCM53324 Gigabit PHY Driver
bcm53600	Internal BCM53600 FE PHY Driver
bcm89500	Internal BCM89500 Gigabit PHY Driver
bcmi_combo65_serdes	Internal 65nm Combo 2.5G/1.25G SerDes PHY Driver
bcmi_combo_serdes	Internal Combo 2.5G/1.25G SerDes PHY Driver
bcmi_fusioncore12g_xgxs	Internal Fusioncore 12G XGXS PHY Driver
bcmi_hypercore_serdes	Internal Hypercore 2.5G/1.25G SerDes PHY Driver
bcmi_hypercore_xgxs	Internal Hypercore 21G XGXS PHY Driver
bcmi_hyperlite_serdes	Internal Hyperlite 2.5G/1.25G SerDes PHY Driver
bcmi_hyperlite_xgxs	Internal Hyperlite 21G XGXS PHY Driver
bcmi_nextgen65_serdes	Internal 65nm NextGen 1.25G SerDes PHY Driver
bcmi_nextgen_serdes	Internal NextGen 1.25G SerDes PHY Driver
bcmi_qsgmii_serdes	Internal Octal QSGMII 2.5G SerDes PHY Driver
bcmi_quadsgmii_serdes	Internal Unicore16 2.5G SerDes PHY Driver
bcmi_tsc_xgxs	Internal TSC 120G SerDes PHY Driver
bcmi_unicore13g_serdes	Internal Unicore16 2.5G SerDes PHY Driver
bcmi_unicore13g_xgxs	Internal Unicore 13G XGXS PHY Driver
bcmi_unicore16g_serdes	Internal Unicore16 1.25G SerDes PHY Driver
bcmi_unicore16g_xgxs	Internal Unicore 16G XGXS PHY Driver
bcmi_unicore_xgxs	Internal Unicore 13G XGXS PHY Driver
bcmi_warpcore3_xgxs	Internal Warpcore 40G XGXS PHY Driver
bcmi_warpcore_xgxs	Internal Warpcore 40G XGXS PHY Driver

The following table describes the required internal PHY driver packages that must be used with each device and the port interfaces to which they apply.

This is for informational purposes only. The PHY and CDK library config headers contain these dependencies and will automatically include the correct PHY drivers for a given CDK device configuration when you use the PHY_CONFIG_INCLUDE_CHIP_AUTO option.

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
BCM53010	0-4	bcm53010
	5	none
	7-8	none
BCM53011	0-4	bcm53010
	5	none
	7-8	none
BCM53012	0-4	bcm53010
	5	none
	7-8	none
BCM53017	0-1	bcm53010
	5	none
	7-8	none

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
BCM53018	0-1	bcm53010
	5	none
	7-8	none
BCM53019	0-1	bcm53010
	5	none
	7-8	none
BCM53084	0-1	bcm53084
	5	none
	8	none
BCM53101	0-4	bcm53101
	5	none
	8	none
BCM53115	0-4	bcm53115
	5	`bcmi_nextgen65_serdes`
	8	none
BCM53118	0-7	bcm53118
	8	none
BCM53125	0-4	bcm53125
	5	none
	8	none
BCM53128	0-6	bcm53128
	7-8	none
BCM53280	0-23	bcm53280
	25	none
	28	none
BCM53282	0-23	bcm53280
	25	none
	28	none
BCM53283	0-23	bcm53280
	25	none
	28	none
BCM53284	0-23	bcm53280
	25	none
	28	none
BCM53286	0-23	bcm53280
	25	none
	28	none
BCM53600	0-23	bcm53600
	24-26	none
BCM53604	0-23	bcm53600
	24-26	none
BCM89200	0	bcm89500
	4-5	bcm89500
	8	none

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
BCM89500	0	bcm89500
	4-5	bcm89500
	8	none
BCM89501	0	bcm89500
	4-5	bcm89500
	8	none
BCM53312	0	none
	1-8	bcm53314
BCM53313	0	none
	1-8	bcm53314
	9-16	`bcmi_qsgmii_serdes`
BCM53314	0	none
	1-8	bcm53314
	9-24	`bcmi_qsgmii_serdes`
BCM53322	0	none
	1-8	bcm53324
BCM53323	0	none
	1-8	bcm53324
	9-16	`bcmi_qsgmii_serdes`
BCM53324	0	none
	1-8	bcm53324
	9-24	`bcmi_qsgmii_serdes`
BCM53714	0	none
	3	none
	4-29	`bcmi_nextgen65_serdes`
BCM53716	0	none
	3	none
	6-21	`bcmi_nextgen65_serdes`
BCM53718	0	none
	3	none
	4-53	`bcmi_nextgen65_serdes`
BCM53724	0	none
	3	none
	4-5	`bcmi_combo65_serdes`
	6-29	`bcmi_nextgen65_serdes`
BCM53726	0	none
	3	none
	4-5	`bcmi_combo65_serdes`
	6-21	`bcmi_nextgen65_serdes`
BCM56014	0	none
	1-2	`bcmi_combo_serdes`
	3	none
	4-29	`bcmi_nextgen_serdes`
BCM56018	0	none

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	1-2	`bcmi_combo_serdes`
	3	none
	4-53	`bcmi_nextgen_serdes`
BCM56024	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-29	`bcmi_nextgen65_serdes`
BCM56025	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-29	`bcmi_nextgen65_serdes`
BCM56110	0-23	none
	24-25	`bcmi_nextgen_serdes`
	28	none
BCM56111	0-23	none
	24-25	`bcmi_nextgen_serdes`
	26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56112	0-23	none
	24-25	`bcmi_nextgen_serdes`
	26-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56115	0-23	none
	24-25	`bcmi_nextgen_serdes`
	28	none
BCM56116	0-23	none
	24-25	`bcmi_nextgen_serdes`
	26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56117	0-23	none
	24-25	`bcmi_nextgen_serdes`
	26-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56142	0-1	none
	2-25	`bcmi_qsgmii_serdes`
	26	`bcmi_hypercore_xgxs`
	27	none
	28-29	`bcmi_hypercore_serdes`
BCM56143	0-1	none
	2-25	`bcmi_qsgmii_serdes`
	26-29	`bcmi_hypercore_serdes`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
BCM56144	0-1	none
	2-25	`bcmi_qsgmii_serdes`
	26	`bcmi_hypercore_xgxs`
	27	none
	28-29	`bcmi_hypercore_serdes`
BCM56146	0-1	none
	2-25	`bcmi_qsgmii_serdes`
	26-29	`bcmi_hypercore_serdes`
BCM56147	0-1	none
	2-25	`bcmi_qsgmii_serdes`
	26-29	`bcmi_hypercore_serdes`
BCM56214	0	none
	1-2	`bcmi_combo_serdes`
	3	none
	4-29	`bcmi_nextgen_serdes`
BCM56216	0	none
	1-2	`bcmi_combo_serdes`
	3	none
	4-21	`bcmi_nextgen_serdes`
BCM56218	0	none
	1-2	`bcmi_combo_serdes`
	3	none
	4-53	`bcmi_nextgen_serdes`
BCM56224	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-29	`bcmi_nextgen65_serdes`
BCM56225	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-29	`bcmi_nextgen65_serdes`
BCM56226	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-21	`bcmi_nextgen65_serdes`
BCM56227	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-21	`bcmi_nextgen65_serdes`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
BCM56228	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-13	`bcmi_nextgen65_serdes`
BCM56229	0	none
	1-2	`bcmi_combo65_serdes`
	3	none
	4-5	`bcmi_combo65_serdes`
	6-21	`bcmi_nextgen65_serdes`
BCM56300	0-23	`bcmi_nextgen_serdes`
	28	none
BCM56301	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56302	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56303	0-23	`bcmi_nextgen_serdes`
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56304	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56305	0-23	`bcmi_nextgen_serdes`
	28	none
BCM56306	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56307	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56308	0-23	`bcmi_nextgen_serdes`
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56309	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56310	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56311	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56312	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	28	none
BCM56313	0-23	bcmi_nextgen_serdes
	24-26	bcmi_fusioncore12g_xgxs
	28	none
BCM56314	0-23	bcmi_nextgen_serdes
	24-27	bcmi_fusioncore12g_xgxs
	28	none
BCM56315	0-23	bcmi_nextgen_serdes
	28	none
BCM56316	24-27	bcmi_fusioncore12g_xgxs
	28	none
BCM56317	0-23	bcmi_nextgen_serdes
	24-25	bcmi_fusioncore12g_xgxs
	28	none
BCM56318	0-23	bcmi_nextgen_serdes
	24-26	bcmi_fusioncore12g_xgxs
	28	none
BCM56319	0-23	bcmi_nextgen_serdes
	24-27	bcmi_fusioncore12g_xgxs
	28	none
BCM56132	All	No Internal PHYs
BCM56134	All	No Internal PHYs
BCM56320	0-1	none
	2-25	bcmi_nextgen65_serdes
	26-29	bcmi_unicore16g_xgxs
BCM56321	0-1	none
	2-25	bcmi_nextgen65_serdes
	26-29	bcmi_unicore16g_xgxs
BCM56331	0-1	none
	2-25	bcmi_nextgen65_serdes
	26-29	bcmi_unicore16g_xgxs
BCM56333	All	No Internal PHYs
BCM56334	0-1	none
	2-25	bcmi_nextgen65_serdes
	26-29	bcmi_unicore16g_xgxs
BCM56338	All	No Internal PHYs
BCM56500	0-23	bcmi_nextgen_serdes
	28	none
BCM56501	24-27	bcmi_fusioncore12g_xgxs
	28	none
BCM56502	0-23	bcmi_nextgen_serdes
	24-25	bcmi_fusioncore12g_xgxs
	28	none
BCM56503	0-23	bcmi_nextgen_serdes

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56504	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56505	0-23	`bcmi_nextgen_serdes`
	28	none
BCM56506	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56507	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56508	0-23	`bcmi_nextgen_serdes`
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56509	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56510	0-23	`bcmi_nextgen_serdes`
	28	none
BCM56511	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56512	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56513	0-23	`bcmi_nextgen_serdes`
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56514	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56515	0-23	`bcmi_nextgen_serdes`
	28	none
BCM56516	24-27	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56517	0-23	`bcmi_nextgen_serdes`
	24-25	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56518	0-23	`bcmi_nextgen_serdes`
	24-26	`bcmi_fusioncore12g_xgxs`
	28	none
BCM56519	0-23	`bcmi_nextgen_serdes`
	24-27	`bcmi_fusioncore12g_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	28	none
BCM56520	0	none
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56521	0	none
	2-25	`bcmi_nextgen65_serdes`
	26-29	`bcmi_hypercore_xgxs`
	54-56	none
BCM56522	0	none
	26-27	`bcmi_hypercore_xgxs`
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56524	0	none
	26-29	`bcmi_hypercore_xgxs`
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56526	0	none
	1-25	`bcmi_nextgen65_serdes`
	26-29	`bcmi_hypercore_xgxs`
	38-41	`bcmi_hyperlite_serdes`
	46	`bcmi_hyperlite_xgxs`
	50	`bcmi_hyperlite_xgxs`
	54-56	none
BCM56580	0-19	`bcmi_unicore_xgxs`
	20	none
BCM56613	All	No Internal PHYs
BCM56620	0	none
	2-7	`bcmi_hyperlite_serdes`
	14-19	`bcmi_hyperlite_serdes`
	26-27	`bcmi_hyperlite_serdes`
	28-31	`bcmi_unicore16g_xgxs`
	32-36	`bcmi_hyperlite_serdes`
	43-47	`bcmi_hyperlite_serdes`
BCM56624	0	none
	1	`bcmi_nextgen65_serdes`
	2-7	`bcmi_hyperlite_serdes`
	8-13	`bcmi_nextgen65_serdes`
	14-19	`bcmi_hyperlite_serdes`
	20-25	`bcmi_nextgen65_serdes`
	26-27	`bcmi_hyperlite_serdes`
	28-31	`bcmi_unicore16g_xgxs`
	32-36	`bcmi_hyperlite_serdes`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	37-42	`bcmi_nextgen65_serdes`
	43-47	`bcmi_hyperlite_serdes`
	48-53	`bcmi_nextgen65_serdes`
BCM56626	0	none
	1	`bcmi_nextgen65_serdes`
	2-7	`bcmi_hyperlite_serdes`
	8-13	`bcmi_nextgen65_serdes`
	14-19	`bcmi_hyperlite_serdes`
	20-25	`bcmi_nextgen65_serdes`
	26-27	`bcmi_hyperlite_xgxs`
	28-31	`bcmi_unicore16g_xgxs`
BCM56628	0	none
	1	`bcmi_nextgen65_serdes`
	2	`bcmi_hyperlite_xgxs`
	14	`bcmi_hyperlite_xgxs`
	26-27	`bcmi_hyperlite_xgxs`
	28-31	`bcmi_unicore16g_xgxs`
BCM56629	0	none
	1	`bcmi_nextgen65_serdes`
	2	`bcmi_hyperlite_xgxs`
	8-13	`bcmi_nextgen65_serdes`
	14	`bcmi_hyperlite_xgxs`
	20-25	`bcmi_nextgen65_serdes`
	26-27	`bcmi_hyperlite_xgxs`
	28-31	`bcmi_unicore16g_xgxs`
	37-42	`bcmi_nextgen65_serdes`
	48-53	`bcmi_nextgen65_serdes`
BCM56630	0	none
	26-29	`bcmi_hypercore_xgxs`
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56634	0	none
	1-25	`bcmi_nextgen65_serdes`
	26-29	`bcmi_hypercore_xgxs`
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56636	0	none
	1-13	`bcmi_nextgen65_serdes`
	26-29	`bcmi_hypercore_xgxs`
	30-41	`bcmi_hyperlite_serdes`
	42	`bcmi_hyperlite_xgxs`
	50	`bcmi_hyperlite_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	54-56	none
BCM56638	0	none
	1	bcmi_nextgen65_serdes
	26-29	bcmi_hypercore_xgxs
	30	bcmi_hyperlite_xgxs
	38	bcmi_hyperlite_xgxs
	42	bcmi_hyperlite_xgxs
	50	bcmi_hyperlite_xgxs
	54-56	none
BCM56639	0	none
	1-25	bcmi_nextgen65_serdes
	26-29	bcmi_hypercore_xgxs
	30	bcmi_hyperlite_xgxs
	38	bcmi_hyperlite_xgxs
	42	bcmi_hyperlite_xgxs
	50	bcmi_hyperlite_xgxs
	54-56	none
BCM56680	0	none
	1	bcmi_nextgen65_serdes
	2-7	bcmi_hyperlite_serdes
	14-19	bcmi_hyperlite_serdes
	26-27	bcmi_hyperlite_serdes
	28-31	bcmi_unicore16g_xgxs
	32-36	bcmi_hyperlite_serdes
	43-47	bcmi_hyperlite_serdes
BCM56684	0	none
	2-7	bcmi_hyperlite_serdes
	14-19	bcmi_hyperlite_serdes
	26-27	bcmi_hyperlite_serdes
	28-31	bcmi_unicore16g_xgxs
	32-36	bcmi_hyperlite_serdes
	43-47	bcmi_hyperlite_serdes
BCM56686	0	none
	2	bcmi_hyperlite_xgxs
	27	bcmi_hyperlite_xgxs
	28-31	bcmi_unicore16g_xgxs
BCM56685	0	none
	1	bcmi_nextgen65_serdes
	26-29	bcmi_hypercore_xgxs
	30-53	bcmi_hyperlite_serdes
	54-56	none
BCM56689	0	none

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	26-29	`bcmi_hypercore_xgxs`
	30-53	`bcmi_hyperlite_serdes`
	54-56	none
BCM56700	0-7	`bcmi_unicore_xgxs`
	10-17	`bcmi_unicore_xgxs`
	20	none
BCM56701	0-7	`bcmi_unicore_xgxs`
	10-13	`bcmi_unicore_xgxs`
	20	none
BCM56720	0	none
	5-8	`bcmi_unicore16g_xgxs`
	9-16	`bcmi_hyperlite_xgxs`
	17-20	`bcmi_unicore16g_xgxs`
BCM56721	0	none
	7-8	`bcmi_unicore16g_xgxs`
	9-16	`bcmi_hyperlite_xgxs`
	17-18	`bcmi_unicore16g_xgxs`
BCM56725	0	none
	7-8	`bcmi_unicore16g_xgxs`
	9-16	`bcmi_hyperlite_xgxs`
	17-18	`bcmi_unicore16g_xgxs`
BCM56800	0-19	`bcmi_unicore_xgxs`
	20	none
BCM56801	0-7	`bcmi_unicore_xgxs`
	10-19	`bcmi_unicore_xgxs`
	20	none
BCM56802	0-7	`bcmi_unicore_xgxs`
	10-17	`bcmi_unicore_xgxs`
	20	none
BCM56803	0-7	`bcmi_unicore_xgxs`
	10-13	`bcmi_unicore_xgxs`
	20	none
BCM56820	0	none
	1-8	`bcmi_unicore16g_xgxs`
	9-16	`bcmi_hyperlite_xgxs`
	17-24	`bcmi_unicore16g_xgxs`
	25-28	`bcmi_unicore16g_serdes`
BCM56821	0	none
	1-8	`bcmi_unicore16g_xgxs`
	9-10	`bcmi_hyperlite_xgxs`
	15-16	`bcmi_hyperlite_xgxs`
	17-24	`bcmi_unicore16g_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	25-28	`bcmi_unicore16g_serdes`
BCM56822	0	none
	9-16	`bcmi_hyperlite_xgxs`
	17-24	`bcmi_unicore16g_xgxs`
	25-28	`bcmi_unicore16g_serdes`
BCM56823	0	none
	7-8	`bcmi_unicore16g_xgxs`
	9-16	`bcmi_hyperlite_xgxs`
	17-18	`bcmi_unicore16g_xgxs`
	25-28	`bcmi_unicore16g_serdes`
BCM56743	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56744	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56745	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56746	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56840	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56841	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56842	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56843	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56844	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56845	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56846	0	none
	1-72	`bcmi_warpcore_xgxs`
BCM56931	All	No Internal PHYs
BCM56936	All	No Internal PHYs
BCM88230	All	No Internal PHYs
BCM88231	All	No Internal PHYs
BCM88235	All	No Internal PHYs
BCM88236	All	No Internal PHYs
BCM56241	0-26	none
	27-34	`bcmi_unicore13g_xgxs`
	35	none
BCM56249	0-24	none
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56440	0	none

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	1-24	`bcmi_quadsgmii_serdes`
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56441	0-8	none
	9-16	`bcmi_quadsgmii_serdes`
	17-26	none
	27-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56442	0-8	none
	9-24	`bcmi_quadsgmii_serdes`
	25-28	none
	35	none
BCM56443	0-24	none
	25-34	`bcmi_unicore13g_xgxs`
	35	none
BCM56444	0-24	none
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56445	0	none
	1-24	`bcmi_quadsgmii_serdes`
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56446	0	none
	1-8	`bcmi_quadsgmii_serdes`
	9-26	none
	27-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56447	0	none
	1-16	`bcmi_quadsgmii_serdes`
	17-28	none
	35	none
BCM56448	0	none
	1-24	`bcmi_quadsgmii_serdes`
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56449	0-24	none
	25-28	`bcmi_unicore13g_xgxs`
	35	none
BCM56540	0	none
	1-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57	`bcmi_warpcore3_xgxs`
	61	`bcmi_warpcore3_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56541	0	none
	9-37	`bcmi_unicore13g_serdes`
	57	`bcmi_warpcore3_xgxs`
	61	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56542	0	none
	9-27	`bcmi_unicore13g_serdes`
	32-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57-64	`bcmi_warpcore3_xgxs`
	73-80	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56544	0	none
	1-37	`bcmi_unicore13g_serdes`
	49-52	`bcmi_unicore13g_serdes`
	57-61	`bcmi_warpcore3_xgxs`
	73-80	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56545	0	none
	1-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57	`bcmi_warpcore3_xgxs`
	61	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56546	0	none
	9-37	`bcmi_unicore13g_serdes`
	57	`bcmi_warpcore3_xgxs`
	61	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56045	0	none
	37	`bcmi_unicore13g_serdes`
	53-64	`bcmi_warpcore3_xgxs`
	69-80	`bcmi_warpcore3_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	81-85	none
BCM56046	0	none
	37	`bcmi_unicore13g_serdes`
	53-64	`bcmi_warpcore3_xgxs`
	69-76	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56640	0	none
	37	`bcmi_unicore13g_serdes`
	53-64	`bcmi_warpcore3_xgxs`
	69-80	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56643	0	none
	1-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57-60	`bcmi_warpcore3_xgxs`
	65	`bcmi_warpcore3_xgxs`
	69	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56644	0	none
	1-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57	`bcmi_warpcore3_xgxs`
	61	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56648	0	none
	1-37	`bcmi_unicore13g_serdes`
	41-52	`bcmi_unicore13g_serdes`
	57-60	`bcmi_warpcore3_xgxs`
	65	`bcmi_warpcore3_xgxs`
	69	`bcmi_warpcore3_xgxs`
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56649	0	none
	9-37	`bcmi_unicore13g_serdes`
	57-60	`bcmi_warpcore3_xgxs`
	65	`bcmi_warpcore3_xgxs`
	69	`bcmi_warpcore3_xgxs`

Table 12: PHY Drivers for all Devices

Device	Port Interface	Required Integrated PHY Driver
	73	`bcmi_warpcore3_xgxs`
	77	`bcmi_warpcore3_xgxs`
	81-85	none
BCM56750	0	none
	1-128	`bcmi_tsc_xgxs`
BCM56850	0	none
	1-128	`bcmi_tsc_xgxs`
BCM56851	0	none
	1-128	`bcmi_tsc_xgxs`
BCM56852	0	none
	1-12	`bcmi_tsc_xgxs`
	21-44	`bcmi_tsc_xgxs`
	53-76	`bcmi_tsc_xgxs`
	85-108	`bcmi_tsc_xgxs`
	117-128	`bcmi_tsc_xgxs`
BCM56855	0	none
	1-20	`bcmi_tsc_xgxs`
	45-76	`bcmi_tsc_xgxs`
	81-84	`bcmi_tsc_xgxs`
	109-128	`bcmi_tsc_xgxs`