

# BCM65x00 Family

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## Central Office High Density Multi-DSL Chipset

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Central Office (CO) VDSL2 SoC that integrates vectoring technology, removing crosstalk interference and proliferating higher-speed Internet, IPTV and mobile broadband services.

Broadcom's BCM65x00 Family Central Office SoC increases capacity (throughput/data rates) on infrastructure equipment and extends the value and reach of broadband services to more households by leveraging the company's third generation of standards-compliant VDSL2 technology and existing knowledge base of real-world deployments.



### Features

- BCM65100: Central Office High Density Multi-DSL Chipset (Multimode VDSL2/ADSL2+)**
  - VDSL2/ADSL2+ multi-mode, G.933.2, G.992.1, G.992.2, G.992.3, G.992.5, and T1.413-compliant DSL Chipset
  - Supports direct Gigabit Ethernet connectivity via innovative G.999.1 interface
  - Supports all bands ADSL2+ through 30Mhz VDSL2, building on the industry's largest ADSL2+/VDSL2 central office footprint
  - Enables VDSL2 and ADSL2+ bonding across the line card
- BCM65300: Central Office High Density Vectoring Chipset**
  - VDSL2/ADSL2+ multi-mode vectoring capable, G.993.5 (G.vector), G.933.2, G.992.1, G.992.2, G.992.3, G.992.5, and T1.413-compliant DSL Chipset
  - Supports direct Gigabit Ethernet connectivity via innovative G.999.1 interface
  - Supports all bands ADSL2+ through 30Mhz VDSL2, building on the industry's largest ADSL2+/VDSL2 central office footprint
  - Enables VDSL2 and ADSL2+ bonding across the line card, and support for VDSL2 vectoring (G.vector)
- BCM65800: Central Office High Density Low Power Analog Front End**
  - Low power Analog Front End delivering very low power per port for the multi-DSL chipset
- The BCM65040 is related to the BCM65x00 Family and features a single Class H solution providing the lowest power consumption for all VDSL profiles, much lower power than Class AB


### Applications

- IPTV

### Lifecycle Status

Active

## Previously Viewed



**BCM5720-2P - 2 x 1GbE PCIe NIC**

High Performance, Feature Rich

