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"In another industry first for LG, the BD300 provides consumers with both an advanced Blu-ray player and networked access for services such as Netflix. Broadcom's leading edge Blu-ray Disc solution helped LG provide our customers with this technology sooner than any other manufacturer."

Dr. J.Y. Kim, Vice President of LG Electronics

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» Product News

- ? **02/28/06** - NETGEAR Selects Broadcom's 5 -Port and 8 -Port Gigabit Ethernet Switch Chips for New Line of Switches and Routers
- ? **11/07/05** - Broadcom Announces New Gigabit Ethernet Switches that Self -Diagnose Problems in Home and Small Business Networks

BCM5397

5 -Port GbE Switch with 5 Integrated PHYs and LoopDTech™

The BCM5397 is a highly -integrated, smart -managed Gigabit switch. The switch design is based on the field -proven industry leading [BCM5385](#). The BCM5397 combines all the functions of a high -speed switch system including five full duplex 10/100/1000 BASE -T/TX Ethernet transceivers, a packet buffer, media access controllers (MACs), and a non -blocking switch fabric into a single 0.13 -µm CMOS device. In addition, the BCM5397 has one GMII/RGMII/MII/RvMII interface for a CPU or a PON/DSL/cable router chip and one MII interface that can be connected to a WAN port. It complies with the IEEE 802.3 and IEEE 802.3x specifications including the MAC control PAUSE frame, providing compatibility with all industry -standard Ethernet, Fast Ethernet, and Gigabit Ethernet devices.

In one compact silicon chip, the BCM5397 also features VLAN, VLAN double tagging, per -port QoS, jumbo frame, rate control, and MIBs management. Additionally, two Broadcom patented technologies, LoopDTech and CableChecker™, allow the BCM5397 to reduce the user effort and cost of troubleshooting cable problems and loops during installation and for post -install support. LoopDTech also eliminates the cost of hardware and software required to run spanning tree protocol. CableChecker, unlike traditional TDR -based cable diagnostics, can detect cable and connector problems without having to disconnect the cable from the other end and interrupt live traffic, enabling it to run while the switch is passing packets.

Features

- ? Highly integrated, non -blocking five -port 10/100/100 switch silicon
- ? The BCM5397 integrates five Gigabit Ethernet ports with integrated 10/100/1000 PHYs
- ? Designed to help IT reduce network downtime and minimize installation, maintenance, and support effort with LoopDTech technology for loop detection without running Spanning Tree Protocol
- ? Provides cost -effective solution to reduce the cost of system designs