



SINGLE-CHIP ADSL-TO-ETHERNET CPE ROUTER

FEATURES

- Low-cost, high-performance, single-chip ADSL CPE router and modem solution
- G.992.1/G.992.2/G.992.3 and T1.413 compliant with world-wide support for Annex A, B, C, RE-ADSL, and SDSL deployments
- High-performance MIPS32™ CPU to support high data rate throughput applications
- Hardware ATM SAR for enhanced ATM VC management, traffic shaping, QoS, and CPU offload
- 10/100-Mbps IEEE 802.3u Ethernet MAC interface and 10/100-Mbps Ethernet PHY with Auto-MDIX
- Parallel FLASH and SDRAM interfaces
- On-chip power management, EJTAG, GPIO, and UART

SUMMARY OF BENEFITS

- Unmatched integration dramatically reduces bill of materials
- Proven ADSL physical layer performance guarantees highest degree of interoperability with deployed DSLAMs worldwide
- MIPS32 CPU environment supports streamlined application development with choice of industry standard tool chains and operating systems
- Wire-speed bridging between ADSL and 10/100-Mbps Ethernet provides measurably superior throughput performance compared to other ADSL CPEs
- Feature-rich Linux software package greatly reduces time to market with complete documentation and support package

BCM6335-Based ADSL-to-Ethernet CPE Router

