



LOW-POWER, HIGH-DENSITY CENTRAL OFFICE ADSL SOLUTION

BCM6410/6420 FEATURES

- Low-power, high-density Central Office ADSL solution
- Lowest power per channel: less than 1W per channel (worst-case line conditions), including the line driver
- Highest density two-chip solution implements 12 channels of full-rate ADSL
- Smallest modem footprint: production ready design is just 650 mm² per channel, using only eight PCB layers
- Complete standards support: ANSI T1.413 issue2, ITU G.992.1 (G.dmt) Annex A, B, C & H, ITU G.992.2 (G.lite), ITU G.992.3 (ADSL2) Annex A, B, J (extended upstream), L (RE-ADSL), and ITU G.992.5 (ADSL2+)
- Fully soft modem implementation supports unprecedented feature richness
- Loop condition testing and capacity estimation on in-service lines

SUMMARY OF BENEFITS

- Superior rate-reach performance
- Proven worldwide interoperability
- System-wide power cut-back techniques deliver in-service power savings and patented power reduction technologies deliver unmatched low-power consumption using standard class AB line drivers
- Complete G.997.1 on chip support enabling remote booting and management (processor-less line cards)
- Shared clocks and power supplies reduce line card cost
- No external devices (e.g., memory) are required
- Designed to operate with a wide range of line driver devices
- Full design-in support provided

BladeRunner™ Central Office ADSL System

