PMB 8875

S-GOLDlite-Advanced Single-Chip GSM/GPRS Baseband Controller



Combined with Infineon's SMARTI SD CMOS RF device and S/M POWER management IC, S-GOLDlite enables a 3-chip quad-band solution at minimum cost and space requirements.

Applications

- GSM/GPRS multimedia phones with high feature requirements
- Data modules with GPRS support up to class 12

Key Benefits

- Single-chip modem and application processor
- Leading-edge modem technology
- Cost-optimized 3-chip system solution with low-power CMOS RF device
- Complete software suite available from Layer 1 up to application software based on APOXI API



Key Features

- ARM 926-based single modem and application processor with cache support and fast tightly-coupled memories
- On-chip SRAM
- USB On-The-Go support
- TEAKLite®-based DSP subsystem
- Jazelle[®] Java hardware accelerator
- Advanced static and dynamic power management
- DMA support for many peripherals
- Support of A53/GEA-3 cipher algorithm
- Interface to Bluetooth module
- I²C bus interface
- I2S PCM digital audio I/Os
- Hifi stereo voiceband

Firmware

- FR, HR, EFR, AMR
- GPRS class 12, CS 1..4
- HSCSD class 10
- Echo cancellation
- Noise reduction
- E-OTD
- GTT/TTY
- MP3 decoder
- Polyphonic ringer

S-GOLDlite is already in mass production. Samples and evaluation boards are available at your request.

www.infineon.com/wireless

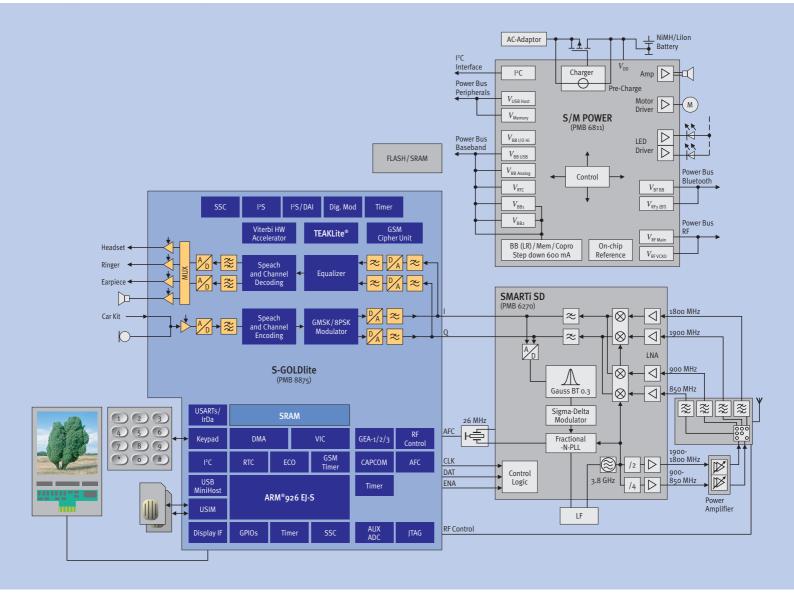
Mobile Solutions





Product Brief

Application Example GPRS Quad-Band System Solution



Note: TEAKLite® is a registered trademark of ParthusCeva, Ltd.

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