



GDM7243A

LTE-Advanced Category 12/15 Single Chip
with 2CA 4x4 MIMO and 3CA/4CA 2X2 MIMO

Ultra-Fast LTE-Advanced with Carrier Aggregation and 4X4 MIMO Technology

Features

- LTE single chip integrating RF transceiver, baseband and high performance dual Cortex-A7 processor
- Ideal for hostless applications such as hot spots, CPEs and M2M
- 3GPP Release 12 compliant
- Supports FDD/TDD LTE Category 12/15
- 2CA 4x4 MIMO (with GRF7243A)
- 3CA/4CA 2X2 MIMO (with GRF7243A)
- 600 Mbps DL with 4X4 MIMO 2CA
- Supports all LTE bands including B42, B43 and CBRS B48
- 4Rx Diversity supported, 8Rx Diversity also supported with GRF7243A
- Supports external High-power UE (HPUE) PA
- Supports 10 RF Ports



Peripherals & Host IF

- USIM, UARTs, NAND controller
- Parallel 16 bit bus interface
- SPI, I2C, GPIOs

Package Outline

- 13 x 13.5 x 1.2 mm FcCSP package

Key Benefits

- Supports Cat 12/15
- 2CA 4X4 MIMO: 600 Mbps
- Supports 4T8R, 2T8R and 2T4R configurations
- Ultra-low power consumption
- Small form factor
- Supports FDD + TDD CA combinations

Applications

- M2M
- Hot spots, IDU/ODU CPEs

Block Diagram

