### **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

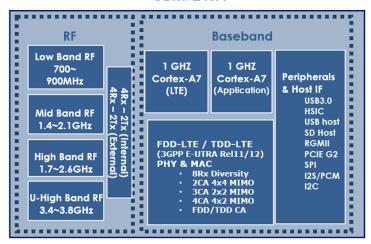
- USIM, UARTs, NAND controller
- Parallel 16 bit bus interface
- SPI, I2C, GPIOs

#### Package Outline

• 13 x 13.5 x 1.2 mm FcCSP package

#### **Block Diagram**

#### **GDM7243A**





#### **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