



GDM7243AX

1.6Gbps LTE-Advanced Category 19 Single Chip
with 3CA 4x4 MIMO, 5CA 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
- 3GPP Release 15 compliant
- Supports FDD/TDD LTE Category 19
- Supports:
 - 10 RF Ports
 - 3CA 4x4 MIMO 256QAM
 - 8Rx 4X4 MIMO + 4Rx, 4X4 MIMO 256QAM
 - 5CA 2X2 MIMO 256QAM
 - All LTE bands including B42, B43 and CBRS B48
 - Next generation 5G with lower 6Ghz
- 4Rx Diversity supported, 8Rx Diversity also supported with optional external RF
- High power UE (HPUE)
- Supports VoLTE
- Ideal for hostless applications such as hot spots, CPEs and M2M

Key Benefits

- Supports Cat 19
- 3CA 4X4 MIMO: 1.6Gbps
- 5CA 2X2 MIMO with 256 QAM: 1.6Gbps
- Supports 4T8R, 2T8R and 2T4R configurations
- Ultra-low power consumption
- Small form factor
- Supports all FDD + TDD CA combinations

Peripherals & Host IF

- USIM, UARTs, NAND controller
- Parallel 16 bit bus interface
- SPI, I2C, GPIOs
- Dual PCIE G2

Applications

- M2M
- Hot spots, IDU/ODU CPEs

Package Outline

- 13 x 13.5 x 1.2 mm package

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