AirPrime® AR758x Specifications

Cellular

LTE (Cat-4) with 3G and 2G Fallback
- AR7582 (NAM)
- AR7584 (EMEA)
- AR7586 (China)
- AR7588 (ROW)
- AR8582 (3G Dual Band)

Key Features

- Automotive-grade manufacturing (T5-16949 certified)
- Automotive quality processes (PPAP, 8D, PCN, FA, ...)
- Reliable in extreme operating environments
- GNSS (GPS, Glonass, Galileo, BeiDou)
- Multicore Architecture: ARM Cortex-A7 (1.2GHz) application core dedicated to customer
- Legato®: Open application framework based on Linux
- Advanced voice quality according ITU P.1140
- Management Service via AirVantage® M2M Cloud

Hardware Specs

Dimensions: Auto Grade 32 x 37 x 3.6 mm
Chipset: Qualcomm MDM9x28
Sierra Wireless STAR footprint

Main Interfaces
- Link: USB, HSIC, UART, SGMII
- Digital: SPI, I2C, GPIO’s, Int, SDIO
- Audio: Digital

Temperature Ranges
- -30C to +70C (operating class A)
- -40C to +85C (operating class B)

Certification and Approvals

- Planned: FCC, IC, PTCRB, AT&T, T-MO, Verizon, Rogers, RED, GCF, Vodafone, CCC, JRF/JPA, MSIP, Docomo NTT, KT, Telstra