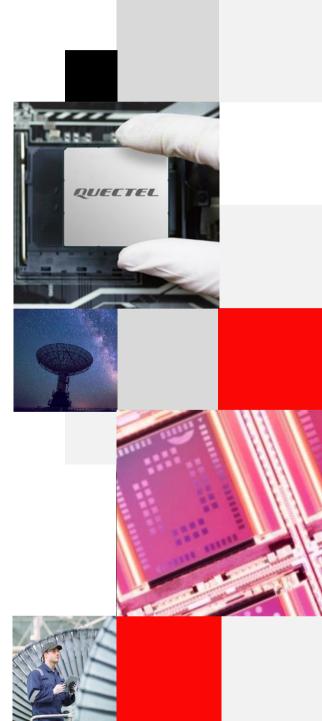




Duty of Confidentiality

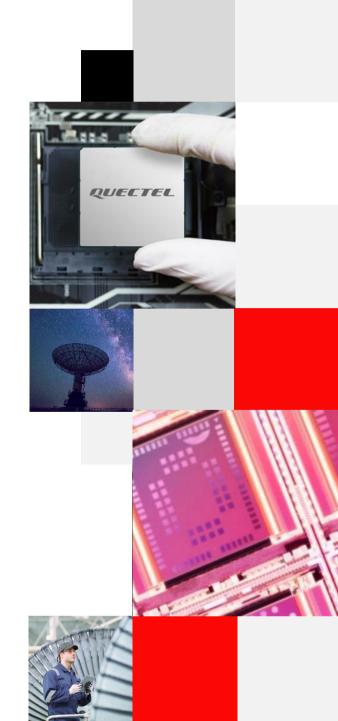
The Receiving Party shall keep confidential all documentation and information provided by Quectel, except when the specific permission has been granted by Quectel. The Receiving Party shall not access or use Quectel's documentation and information for any purpose except as expressly provided herein. Furthermore, the Receiving Party shall not disclose any of the Quectel's documentation and information to any third party without the prior written consent by Quectel. For any noncompliance to the above requirements, unauthorized use, or other illegal or malicious use of the documentation and information, Quectel will reserve the right to take legal action.





Specifications

Enhanced Technologies



UC200A-GL Highlights





Worldwide coverage.



32.0 mm

Cost-optimized solution for industrial applications.



Classic Form Factor: 29.0 x 32.0 x 2.4 mm



Compatible with EC2x series, EG2x-G and EC200x series.

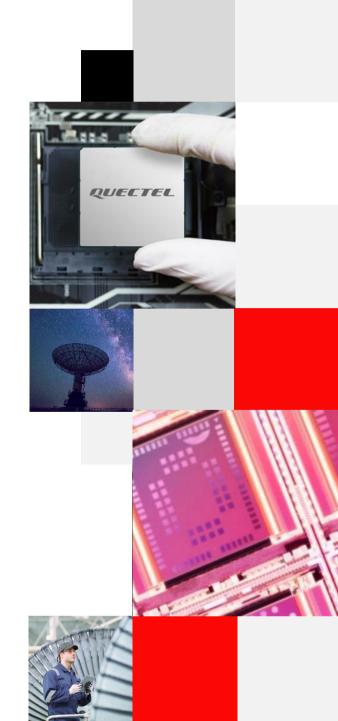


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Specifications

Enhanced Technologies



UC200A-GL Specifications

29.0 mm \times 32.0 mm \times 2.4 mm 21 Mbps DL/ 5.76 Mbps UL



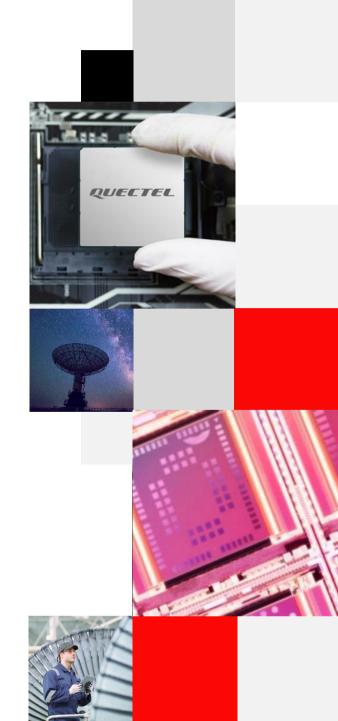
Variant		UC200A-GL
Region		Global
Chipset		ASR1803
UMTS	WCDMA Band	B1/ 2/ 5/ 8
	TD-SCDMA Band	-
GSM		Quad-band Quad-band
Power Supply		3.4–4.5 V, typ. 3.8 V
Interface		(U)SIM/ UART/ USB/ Audio Digital (PCM)/ I2C/ ADC/ Antenna
Protocol		TCP/ UDP/ PPP/ NTP/ NITZ/ FTP/ HTTP/ PING/ CMUX/ HTTPS/ FTPS/ SSL/ FILE/ MQTT/ MMS/ SMTP/ SMTPS/ CSD*
Feature		DFOTA/ QuecLocator®/ (U)SIM Card Detection/ RIL Driver/ USB RNDIS Driver/ USB Serial Driver/ USB ECM Driver
Certification	Regulatory	CE/ FCC/ Anatel/ RCM
Project Stage		MP

^{*:} Under development.



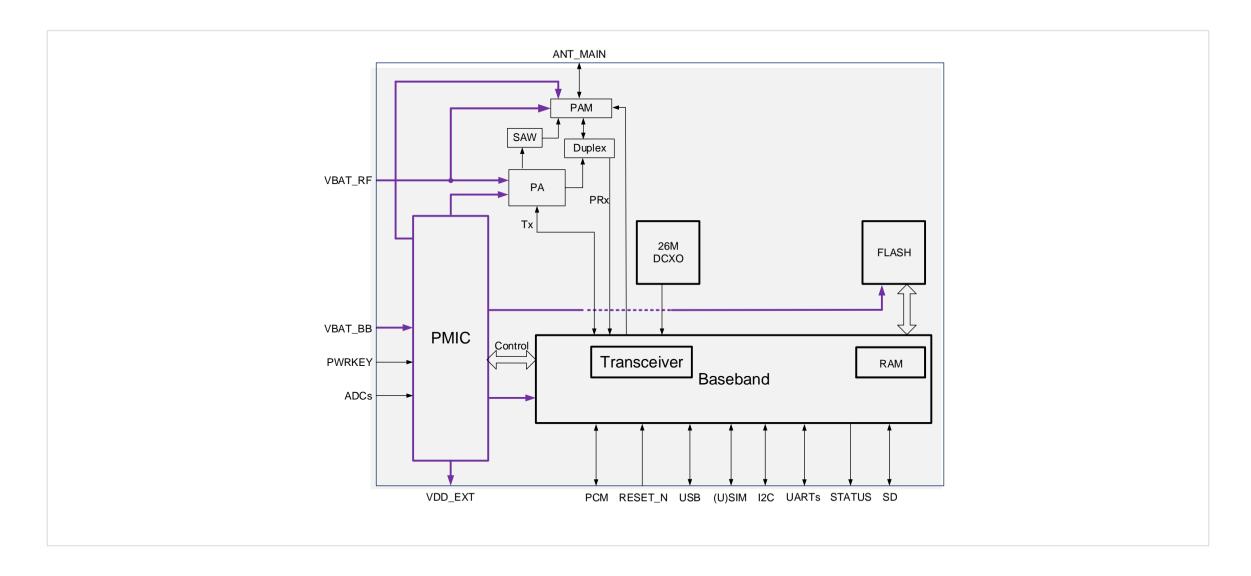
Specifications

Enhanced Technologies



Hardware Architecture





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Software Advantages



USB Serial Driver

- Windows 7/8/8.1/10/11
- Linux 2.6–5.18
- Android 4.x–12.x

Other Drivers

- RIL Driver: Android 4.x-12.x
- USB RNDIS Driver:
 Windows 7/ 8/ 8.1/ 10/ 11
 Linux 2.6–5.18
- USB ECM Driver: Linux 2.6–5.18

Quality Guarantee

- Reliable network protocols
- Steady flash protection mechanism
- Superior audio algorithms
- High sensitivity

Flexible Applications

- (U)SIM card detection
- DTMF

Special Features

- TTS
- QuecFile[®]
- DFOTA

Enhanced AT Commands

- Standard V.25ter AT commands
- 3GPP TS 27.007 (GSM 07.07)
- 3GPP TS 27.005 (GSM 07.05 SMS)
- TCP/IP stack AT commands
- STK ((U)SIM Application Toolkit)

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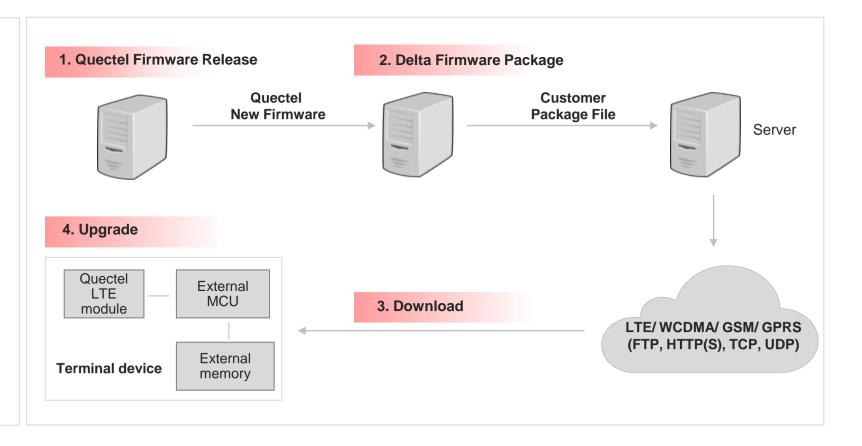
DFOTA



DFOTA is an acronym for Delta Firmware Upgrade Over-The-Air. DFOTA technology enables mobile device manufacturers to remotely update software. New software can be delivered over the air, eliminating the need for users to bring the device to a service facility.

Firmware Upgrade Procedures via DFOTA

- Get Delta Firmware Package
- Put Delta Package on Server
- Execute AT+QFOTADL
 Command
- Download and Upgrade
 Firmware Automatically



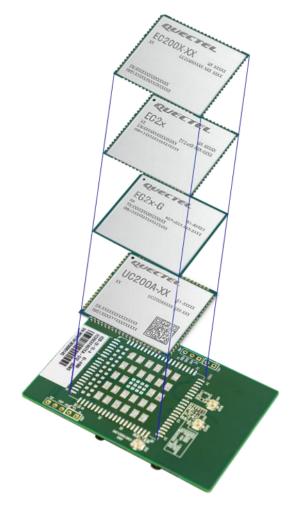
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UC200A-GL Layout Compatibility



UC200A-GL is compatible with the following Quectel modules:

LTE Standard EC2x series/ EG2x-G/ EC200x series



The compatibility diagram shown above is for illustration purpose only.

The actual appearance of the modules may be different.

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Support Package





Technical Materials Package

- Hardware & software specifications
- Application note package
- Debug tool, download tool, test tool, EVB package & USB drivers
- Approvals & test report package
- QNavigator

EVB Kit UMTS<E EVB Kit

Interfaces

- a) RS-232 interfaces
- b) USB interface
- c) Power supply
- d) Antenna interface
- e) Handset interface
- f) Earphone interface
- g) Test points

Features

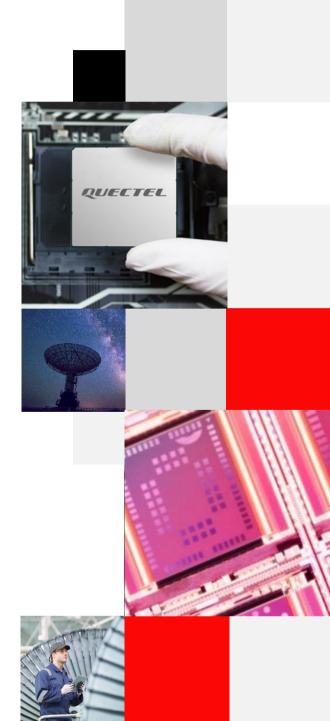
- a) Digital or analog audio interface
- b) Network status LED
- c) Power key
- d) Reset key

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Specifications

Enhanced Technologies



Typical Applications



Intelligent Transportation

- loV
- CVI
- Vehicle Tracking
- Asset Tracking
- Ship Tracking

- Fleet Management
- OBD
- DVR
- **UBI**

Smart Energy

- Ammeter
- Gas Meters
- Water Meters
- Thermal Meters
- Smart Grid
- Wind Generators
- Solar Power Generation
- Charging Piles

Payment

- Wireless POS
- Cash Registers
- ♠ ATM
- Vending Machines
- Top-up Machines



Typical Applications



Smart City

- Street Lighting
- Traffic Lights
- Sharing Economy
- Elevator Monitoring
- Smart Parking
- Parking Meters

- Toll Collection Systems
- Digital Indicators
- Advertising Boards
- Smart Bins
- LED Landscape Lighting Control

Wireless Gateway

- **DTUs**
- Consumers Routers
- Industrial Routers
- **♦** VoIP
- Servers
- Wi-Fi Hotspots

Intelligent Agriculture & Environmental Monitoring

- Food Traceability
- Farmland Monitoring
- Farm Management
- Meteorological Stations
- Wildlife Protection
- Farm Irrigation
- Environmental Monitoring



Page 15 / 17 DTU: Data Transfer Unit VoIP: Voice over Internet Protocol Version: 1.0 | Status: Released

Typical Applications



Intelligent Industrial

- Industrial PDAs/ Scanners
- Industrial PCs
- Industrial Computers
- Pipeline Monitoring
- Robots
- Flowmeters
- **♦** UAV
- Industrial Refrigeration
- Indoor Air Detection
- Water Valves/ Pump Controls

Smart Life & Healthcare

- Personal Trackers
- Pet Trackers
- Wearables
- Home Automation
- Elderly Monitoring
- Remote Medical Equipment
- Glucometers

- Blood Pressure Meters
- Game Machines
- Patient Monitoring
- Mobile PCs

Smart Safety

- Alarms
- Intrusion Detectors
- Smoke Detectors
- Gas Detectors
- Motion Sensors
- Asset Protection



Page 16 / 17 PDA: Personal Digital Assistant UAV: Unmanned Aerial Vehicle Version: 1.0 | Status: Released



We are a global IoT solutions provider, backed by outstanding support and services, to deliver a smarter world.

- Unbeatable choice from the broadest module portfolio in the world
- High quality range of off-the-shelf and customized antennas
- Providing Connectivity-as-a-Service
- Superb support with the largest R&D team in the industry
- Continuous innovation in 5G, LPWA, CV2X, Smart Modules
- A passionate, dedicated team of "Quectelers" ensure our customers always come first



Build a Smarter World

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