

# U365

HSPA for quick and easy content sharing

The U365 is a small and powerful HSPA platform. High-speed broadband enables feature-rich applications such as video streaming, photo sharing, location-based services, gaming and social networking capabilities. The high integration of functionality optimizes performance and provides a cost-effective solution for rapid product launch in the global mass market.



## U365 HIGHLIGHTS

### Compelling multimedia feature set

- Full set of 3D audio codecs for outstanding audio effects
- QVGA display
- Content creation, sharing, and distribution with high-speed data, 7.2 Mbit/s downlink, and 2.0 Mbit/s uplink

### Location based services

- GPS software enabling commercial services, friend finding and emergency call positioning
- Fast localization with assisting data
- All standardized A-GPS protocols implemented and verified

### High integration for small size and low cost

- Solution for soldering the memory on top of the digital baseband
- RF single chip
- Attractive total PCB size even when including an external application processor for open OS

### PLATFORM CONFIGURATION

The platform is suitable for feature phones, smartphones and modem devices. The U365 gives our customers maximum opportunity to develop products in diverse segments.

## U365 KEY FEATURES

### Access

- Cellular access
  - 3GPP rel 6
  - WCDMA flexible quad band
  - HSDPA 7.2 Mbit/s (cat 8)
  - HSUPA 2.0 Mbit/s (cat 5)
  - Rx diversity on all supported WCDMA bands
  - GRAKE2 (Type 3) advanced receiver with interference suppression
  - GPRS/EDGE flexible quad band
- WLAN
  - WLAN IEEE 802.11
  - UMA/GAN
- Connectivity
  - USB 2.0 Hi-Speed
  - Bluetooth® V2.0 + EDR
- Positioning
  - A-GPS: MO-LR, MT-LR, NI-LR, LCS (SUPL)

### Multimedia

- Display/camera/video/graphics
  - QVGA 24-bit/pixel display
  - 8-Mpixel camera
  - Video playback: H.264, MPEG-4, QVGA
  - Video camcorder: MPEG-4, VGA
  - Video codec: H.263, H.264, MPEG-4
  - Graphics: OpenGL® ES, OpenVG™, EGL™

- Audio
  - Advanced audio codecs
  - AMR-WB+
  - Audio streaming
  - Positional 3D audio
  - Stereo widening
  - Spectrum analyzer (visualization)
- Mobile TV
  - Unicast

### IMS (IP multimedia subsystem)

- IMS multimedia telephony 3GPP Rel 7
- JSR-281 for IMS service creation (such as video sharing)
- IMS services enabled over WLAN

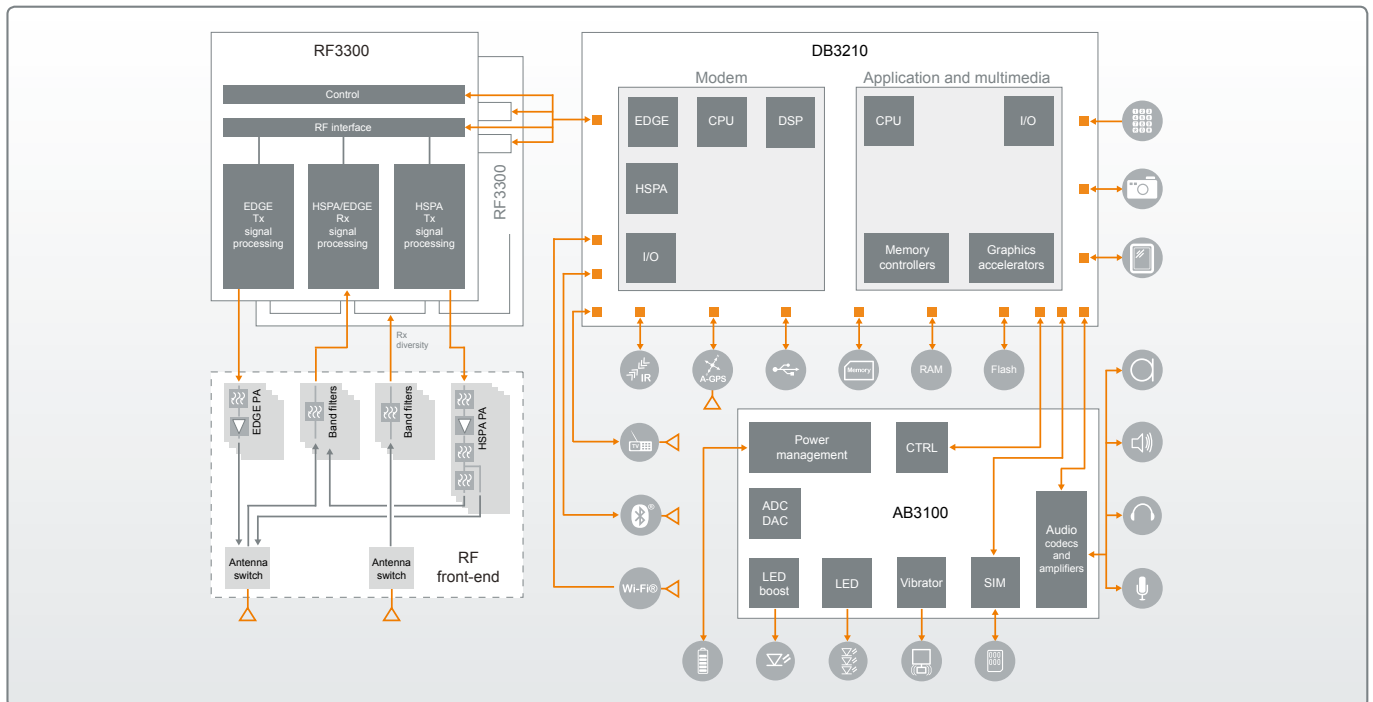
### Security

- Core platform security - SIMLock, PhoneLock, secure boot, IMEI protection
- Security services - IPsec, TLS

### U365 HARDWARE

- Digital Baseband: DB3210, POP
- Graphics: OpenGL® ES
- Video: MPEG-4, VGA
- Analog Baseband: AB3100
- Radio Transceiver: RF3300

## U365 SYSTEM OVERVIEW



LET'S CREATE IT

© ST-Ericsson, 2009 - All rights reserved.

ST-Ericsson and the ST-Ericsson logo are trademarks of the ST-Ericsson group of companies or used under a license from STMicroelectronics NV or Telefonaktiebolaget LM Ericsson.

All other names are the property of their respective owners.

For more information on ST-Ericsson, visit [www.stericsson.com](http://www.stericsson.com)

Order code: U365FL\_2

