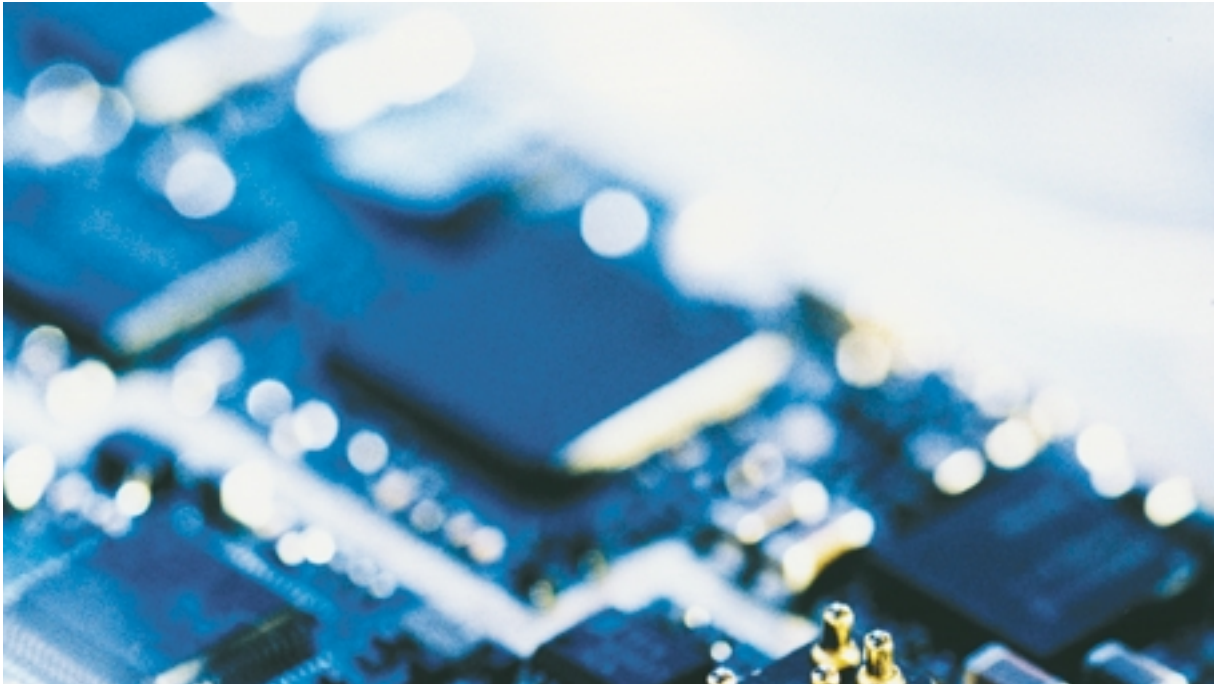




Ericsson Mobile Platform U100

– the world's first verified UMTS platform



Bringing the 3G capabilities to your products

Video telephony, streaming video and audio, imaging, video recording and downloading, multi-player gaming and more – they're all supported by the U100 platform. 3G is here – and it's available to you!

Total flexibility

With interfaces to camera, Bluetooth™, touch-screen, displays, external memories and much more, you can decide which market segment to address. The U100 platform has been developed for dual-mode GSM/GPRS and WCDMA products, and can easily be configured for single-mode WCDMA products.

Features and functionality – highlights

- Supports state-of-the-art dual-mode GSM/GPRS and WCDMA in full accordance with 3GPP standards
- Data rates: FDD PS and CS, up to 384 kbps, GCF Minimum Set is used as a guideline for selection of supported RABs
- Video telephony and recording
- Streaming audio and video
- Polyphonic ring tones (MIDI)
- Camera with viewfinder support
- Display support: up to QCIF + alpha size (176 x 220 pixels, 65k color)
- MP3
- Images: JPEG, GIF, PNG, BMP and Wireless BMP
- Video: H.263 and MPEG4
- Audio/speech: voice recorder, speech recognition, AMR, AAC and StereoAudio
- Interfaces: touch-screen, microphone and stereo headset

Meeting your challenges

Manufacturing UMTS consumer products involves several challenges: development of software and hardware that meet 3G requirements, design and production of ASICs, and time-consuming interoperability tests (IOTs). Finally, the product should be optimized regarding performance, costs and power consumption.

With the U100 platform you get it all! Just add industrial design and your own or third-party applications, and you have everything you need to quickly get your 3G products on the market!



Already verified and interoperability-tested

Verification is one of the largest development tasks when launching products with a new technology. The U100 platform has already passed Internal Type Approval and IOTs with the largest network vendors and operators, thus saving you a lot of valuable time.

Powerful solution

The main processor, an ARM 9 processor, together with dedicated DSPs for WCDMA Layer1 processing and multimedia processing, provide a powerful application execution environment and eliminate the need for an extra application processor.

Low power consumption

Shut-down of functionality blocks when not in use, auto-adjustable transmitter power, various sleep modes and a high level of ASIC integration are some of the features that give the U100 platform uniquely low power consumption.

More than you expect

The U100 platform comes with complete component specifications, platform software and documentation. You also get a verified, ready-to-use PCB design that can be modified to meet your specific needs. Development and test tools, as well as a fully tested reference product are included in the delivery – a delivery that gives you a shortcut to the 3G market!

At your service

Ericsson offers a wide range of services to support your development project. The most asked-for services include system design (e.g. driver modification, PCB layout and test automation), integration support, type approval support and production support. When it comes to applications you can benefit from Ericsson's 3rd party application developers' program.

BUILT TO LAST

Ericsson's GPRS, EDGE and UMTS platforms have the same system architecture. It is developed with a system engineering focus, where software and hardware are optimized together.

The advantages include:

- performance optimization
- small occupied board-space
- low power-consumption
- optimized memory use.

The platforms have the same open API and use the same software development kit (SDK), thus enabling portability of applications between platforms regardless of radio technology. The intuitive SDK supports Java and native applications and is especially designed for development of handset applications.

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Ericsson Mobile Platforms is a global company within the Ericsson Group, with about 1000 employees. We offer complete 2.5G and 3G technology platforms to manufacturers of mobile phones and other wireless devices. The technology is based on Ericsson's global standardization leadership and the world's strongest IPR (intellectual property rights) portfolio.

Our aim is to greatly reduce R&D costs – as well as time to market – and thereby enable our customers to offer new, innovative, profitable products, powered by our end-to-end-proven platform solutions.