

MOBILE BROADBAND MODULE

C5621 FOR CONSUMER ELECTRONICS



HIGH SPEED MOBILE BROADBAND FOR SMALLER DEVICES

Ericsson envisions a world of 50 billion connected devices by 2020. Today mobile broadband connectivity is mainly built into devices such as notebooks, netbooks and tablets but Ericsson wants to facilitate connectivity for smaller consumer electronics such as cameras, handheld gaming devices, media players and personal navigation devices. Therefore Ericsson has developed C5621, a HSPA Evolution mobile broadband module in a smaller and thinner form factor than a standard embedded module. C5621 enables data download speeds of up to 21 Mbps, upload speeds of 5.76 Mbps and offers great price performance.

HSPA is the leading technology

HSPA is the global standard for mobile broadband with unmatched scale of economy. There are 398 commercial networks spread over all continents. Ericsson has launched almost 50% of the HSPA networks in the world.

Module features

The C5621 module brings best in class power consumption and low heat generation compared to similar solutions on the market and it supports all major operating systems both commercial and open source. It also features Quick Connect which enables an embedded device to connect

to the internet just seconds after resuming from sleep mode, essentially giving end users the seamless experience of always being connected. Other major features are Multiple operator firmware storage on-card, Dynamic power control to support tablets SAR requirements and SIM lock which allows device manufacturers to set customized SIM lock already at manufacturing.

Furthermore, C5621 supports IPv6 and fulfills CPC power saving according to 3GPP. The module is future proof in terms of form factor and pin compatibility with future LTE modules which means that the manufacturer can use same circuit board for coming LTE modules and there will be no need for new hardware design.

Benefits with our solution

- Best in class performance and coverage resulting from world-leading radio competence and 135 years of technology leadership.
- Fast time to market with Developer Starter Kits containing modules that have been pre-certified and approved by leading operators in more than 110 countries.
- Simple to use. Complete solution including hardware, software and support.
- Unmatched price performance
- Optimized and pre-integrated with multiple platforms for superior user experience and battery life.
- Unique and innovative features including Quick Connect and Wake-on-Wireless.
- Support for Windows 7 & 8, Linux, Android, Google Chrome and MeeGo.

About Ericsson

Ericsson is the world's leading provider of technology and services to telecom operators. Ericsson is the leader in 2G, 3G and 4G mobile technologies, and provides support for networks with over 2 billion subscribers and has the leading position in managed services. The company's portfolio comprises mobile and fixed network infrastructure, telecom services, software, broadband and multimedia solutions for operators, enterprises and the media industry. The Sony Ericsson and ST-Ericsson joint ventures provide consumers with feature-rich personal mobile devices.

Ericsson is advancing its vision of being the "prime driver in an all-communicating world" through innovation, technology, and sustainable business solutions. Working in 175 countries, more than 90,000 employees generated revenue of SEK 203.3 billion (USD 28.2 billion) in 2010. Founded in 1876 with the headquarters in Stockholm, Sweden, Ericsson is listed on NASDAQ OMX, Stockholm and NASDAQ New York.

TECHNICAL SPECIFICATIONS C5621

FORM FACTOR

Single package, Soldered in board

SIZE

29x29x1.9 mm

AIR INTERFACE

WCDMA/HSPA/HSPA Evolution

GSM/GPRS/EDGE

FREQUENCY BANDS

WCDMA/HSPA	2100/1900/900/850MHz
GPRS/EDGE	850/900/1800/1900MHz

SPEED

HSPA Evolution D/L 21 Mbps U/L 5.76 Mbps

POWER

Standby / Idle	<3mA
GPRS/EDGE max	240mA
HSPA/HSPA Evolution max	640mA

INTERFACES

USB	USB 2.0
SPI	HW Prepared
HSI	HW Prepared
On / Off	yes
LED output	yes
SIM	1.8V or 3V
ANTENNA DIVERSITY	yes

POSITIONING	GPS/A-GPS (Optional)
CONTROL OPTIONS	AT Commands Ericsson C++ API

OS SUPPORT

Windows 7	yes
Windows 8	yes
Linux (Ubuntu)	yes
Android	yes
MeeGo	yes
Google Chrome	yes

CERTIFICATIONS

FCC, CE, R&TTE, PTCRB, GCF
All major Operator and Infrastructure IOT
Type approval in more than 110 countries