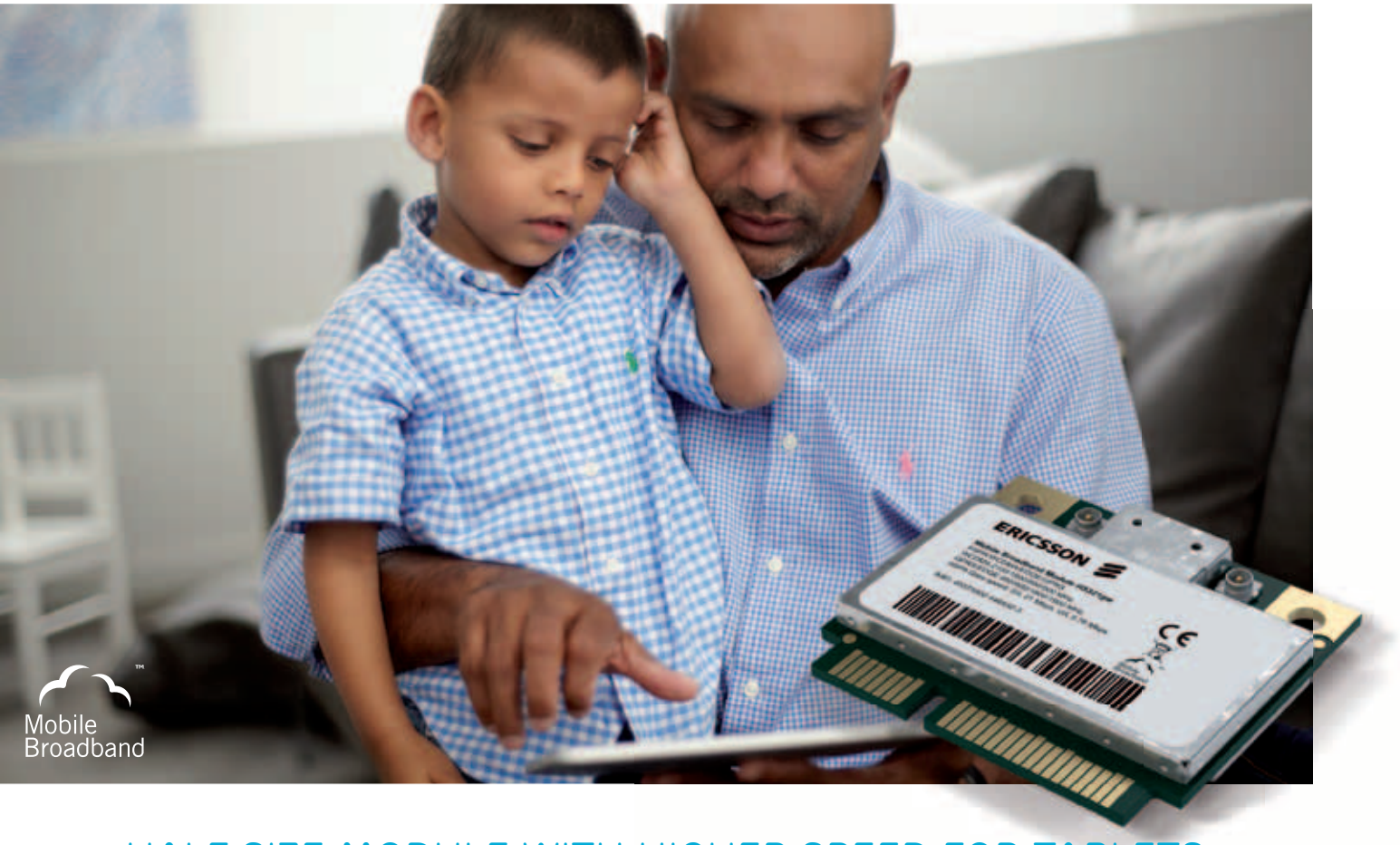
MOBILE BROADBAND MODULE

H5321 FOR TABLETS



HALF SIZE MODULE WITH HIGHER SPEED FOR TABLETS

New product segments like tablets make embedded connectivity a given feature. The main use cases of tablets are in one way or another dependent on applications or content on the internet. The small and light form factor makes a tablet very easy to bring along and thanks to an embedded mobile broadband solution you will have internet connectivity wherever you have coverage with your mobile phone. An external modem is really not an option due to the sleek and stylish design of a tablet.

Tablets are smaller and slimmer than traditional computing devices such as notebooks and netbooks. Therefore we have developed H5321, a half size PCI mini express card embedded module to be able to make it easier to add connectivity to tablets. H5321 enables data download speeds of up to 21 Mbps, upload speeds of 5.76 Mbps and offers great price performance. H5321 is also available in the full size PCI mini express card form factor, F5321.

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 power consumption and heat generation of the module is very low compared to similar solutions on the market and it supports all major operating systems both commercial and open source. H5321 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 value adding features are Multiple operator firmware storage on-card, Dynamic power control to support tablets SAR requirements and Soft SIM lock which allows device manufacturers to set customized SIM lock already during manufacturing. Furthermore, H5321 supports IPv6 and fulfills CPC power saving according to 3GPP.

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 XP, Vista, 7, 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
H5321/F5321

FORM FACTOR
Half or Full size PCI Express Mini Card

SIZE
26.7x30x4.5mm or 51x30x4.5mm

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
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 Microsoft MBN API

OS SUPPORT

Windows Vista, XP	yes
Windows 7	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

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