**WIBREE**

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|  | ABSTRACT  Nowadays the wirelesstechnologies are more and widely evolving.Some of the technologies now in use are Wi-Fi, Wi-max, Zigbee, BluetoothÂ¦Â¦. Out of which Bluetooth is most popular. These technologies are widely used to connect the large devices like mobile phones or personal computers. No other existing wireless technologies will connect with small button cell battery devices so effectively. So the Nokia introduced the new radio technology called Wibree.  New radio technology for ultra low powerWibree is a new radio technology developed by Nokia. It consumes only a fraction of the power compared to other such radio technologies, enabling smaller and less costly implementations and it is easy to integrate with Bluetooth solutions.  Open industry initiativeWibree is the first open technology offering connectivity between mobile devices or personal computers, and small, button cell battery power devices such as watches, wireless keyboards, toys and sports & health care sensors.  Ultra low power cannot be achieved with existing open standards Currently available standardized local connectivity technologies are not optimized for ultra low power applications. |

# iDEN

Iden **is** **mobile** **telecommunications** **technology,developed** **by** **Motorawhich provides its users the benefits of a trunked radio and a cellular telephone. iDEN places more users in a given spectral space, compared to analog cellular andtwo-way radio systems, by using speech compression and time division multipleaccess TDMA. Notably, iDEN is designed, and licensed, to operate onindividualfrequencies that may not be contiguous. iDEN operates on 25kHz channels, butonly occupies 20 kHz in order to provide interference protection via guard bands.By comparison, TDMA Cellular (IS-54 and IS-136) is licensed in blocks of 30 kHz channels, but each emission occupies 40 kHz,and is capable of serving the same number of subscribers per channel as iDENiDEN supports either three or six interconnect users (phone users) per channel, and either six or twelve dispatch users (push-to-talk users) per channel. Since there is no Analogue component of iDEN, mechanical duplexing in the handset is unnecessary, so Time Domain Duplexing is used instead, the same way that other digital-only technolgies duplex their handsets. Also, like other digital-only technologies, hybrid or cavity duplexing is used at the Base Station (Cellsite).  
H**istory  
First introduced **Motorola's Integrated Dig**ital Enhanced Network (iDEN**) brought to the market next generation wireless solutions designed for a variety of vertical market mobile business applications. Today, iDEN wireless handsets are utilized in a variety of work environments ranging from manufacturing floors to executive conference rooms as well as mobile sales forces.  
Motorola iDEN handset users are finding new applications and discovering unique communication solutions every day to help their businesses evolve and grow. For example, Motorola's iDEN solution offers the ability for you to hold a conference with a large number of people, with only the push of a button, helping you eliminate time-wasting and costly individual calls.  
Streamlining Communications into One Digital Handset  
Four-in-one iDEN technology allows business users to take advantage of advanced wireless technologies with one pocket-sized digital handset that combines: two-way digital radio; digital wireless phone; alphanumeric messaging; and data/fax capabilities leveraging Internet technology.iDEN technology allows you the freedom to go anywhere while still keeping track of what's important to not only your business**