

In Brief: Samsung to use Infineon chip in EDGE phone

April 20 2006

Samsung has selected Germany's Infineon to supply radio frequency chips for its line of EDGE mobile phones, which will debut later this year.

The German semiconductor manufacturer said Thursday it will supply its single-chip SMARTi PM CMOS radio frequency transceivers to Samsung, the world's third-largest cell-phone supplier.

EDGE (Enhanced Data Rates for GSM Evolution) technology involves enhanced modulation that increases network capacity and data rates in GSM networks up to 384 kilobits per second.

SMART PM is a quad-band single-chip CMOS transceiver that serves a multitude of mobile technologies and can be combined with EDGE baseband chips through its standard I/Q (in-phase/quadrature phase) interface.

Infineon said the SMART PM reduces the component count in EDGE handsets by 30 percent and the required board space for RF functions in half.

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Citation: In Brief: Samsung to use Infineon chip in EDGE phone (2006, April 20) retrieved 6

May 2024 from <https://phys.org/news/2006-04-samsung-infineon-chip-edge.html>

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