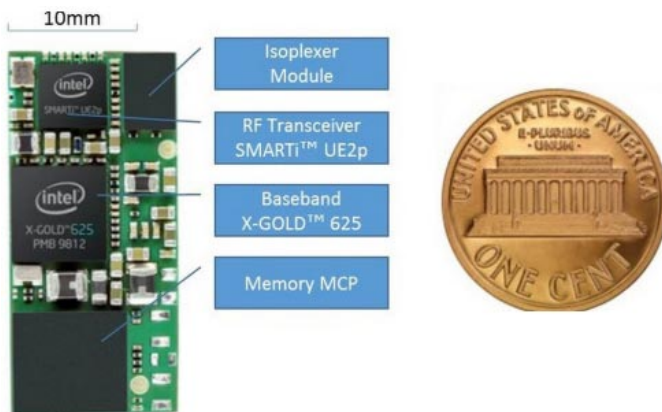


The Smallest Modem for the IoT

Written by Marco Attard
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Intel reveals what it claims is the smallest standalone 3G modem in the world-- the XMM 6255, a chip around 300m² in size designed for networked sensors, wearable devices and other Internet of Things (IoT) applications.



It features a SMART I UE2p transceiver, an Intel design combining transmitter and receiver functionality with an integrated power amplifier and power management on a single chip.

Intel says the design not only allows for a smaller modem, but also protects the radio from overheating, voltage peaks and damage from tough conditions. It also simplifies the design and minimises production costs.

Additionally the radio features "unique" architecture allowing it to operate in low signal zones (such as parking garages or basements) and inside devices with small volume antennas such as smartwatches.

The XMM 6255 is currently available in the u-blox SARA-U2 module, and Intel should announce additional partnerships later in the future.

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