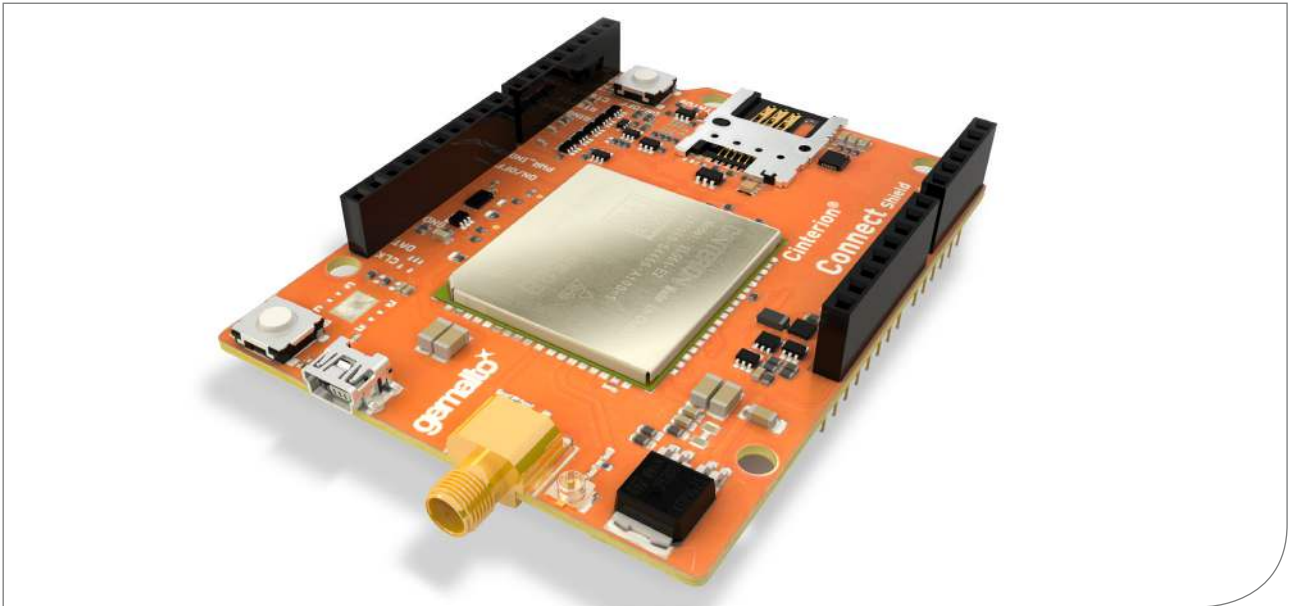# Cinterion® Connect Shield

What will you create?

The Cinterion Connect Shield:
Arduino maker board for cellular machine type communication with LTE CAT1

The Cinterion® Connect Shield advances Gemalto's suite of user-friendly development tools, providing an easy-to-use maker platform for innovating IoT applications.

It combines the flexible and widely used Arduino open source environment with highly efficient cellular connectivity to enable maximum flexibility in building proof-of-concepts. This gives developers, integrators and inventors the opportunity to experience the benefits, diversity and scalability of the global cellular ecosystem.

The Connect Shield leverages a Cinterion wireless module designed for highly efficient, low-power IoT applications to deliver optimized bandwidth and performance.

An external ultra-wideband antenna delivers superior signal reception while a basic set of embedded sensors allows data monitoring with minimal integration effort. Users with very little hardware expertise can quickly mount the Connect Shield to existing Arduino stacks to enable cellular connectivity.

All of Gemalto's developer tools are compatible with complementary solutions and services that Connect, Secure and Monetize IoT applications while helping speed time to market. Cinterion product support, tutorials and IoT success stories are available anytime from the Gemalto Development Community: https://developer.gemalto.com/.

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-Preliminary-

Cinterion® Connect Shield Features

Connector for Extension Boards

> All interfaces and supply voltages accessible

> Pin-out known from Arduino boards

> Designed for Arduino - products works with official Arduino boards and shields.

General Features

> On board I2C accessories:

  temperature and ambient light sensors,

  3 programmable LEDs

> On board Micro-SIM card holder

> Two buttons: ON/OFF and user programmable

> Flexible power supply by Arduino 5V interface and / or additional Micro-USB on board

> Software and Hardware compatible with Arduino official boards and clones.

Radio Features

> LTE Band 1,3,8,20,28; UL/DL 5/10Mbps

  2G Band 3,8; UL/DL 85kbps

Antenna

> Ultra-wideband PCB antenna 700MHz...2.8GHz

> Up to 90% efficiency for superior signal reception

> RF connection kit included

Ordering Code

> L30960-N5200-A100

  (available to order now)

Community

> https://developer.gemalto.com/

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