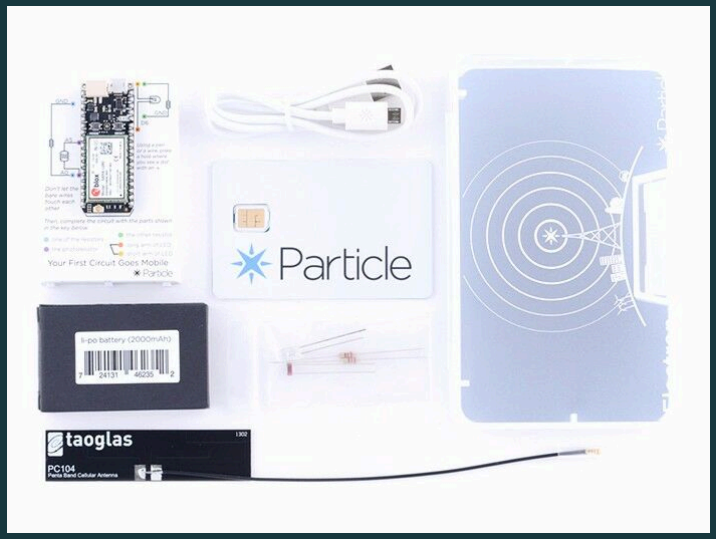
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INDUSTRIAL PRODUCT DATASHEET

Particle Electron 3G Kit (Eur/Afr/Asia): For creating 3G cellular connected products, Particle SIM Card with Service in 100+ Countries

The Particle Electron 3G Kit (Eur/Afr/Asia) provides a complete 3G cellular IoT prototyping solution with global SIM, data plan, and accessories.

SKU	UPDATED	PRICE
110060706	2025-11-07 03:29:11	$69.99(Excl. VAT)



Overview



The Particle Electron 3G Kit (Eur/Afr/Asia) is a development kit for creating 3G cellular-connected electronics, featuring a Particle SIM card with service in over 100 countries. It operates on 900/1800 MHz bands, includes 3 months of 1MB/month data, and comes with a Li-Po battery, antenna, and prototyping accessories.

Key Features

Description
The Electron is a tiny development kit for creating 3G cellular-connected electronics projects and products. It comes with a Particle SIM card with service in more than 100 countries worldwide, and includes 3 months of Particle's 1MB monthly data plan for IoT devices.

The Electron kit also includes Particle's development tools and cloud platform for managing and updating your new connected hardware.

The Electron is a GSM-only device, and does not support CDMA networks. We offer two types of Electron 3G Kits—one for North and South America (850/1900 MHz) and one for Europe/Asia/Africa (900/1800 MHz). For a full list of compatible countries, please visit the link **here** and see the “Compatible Countries” list below.

Basic Data Charges

- Particle's 1MB monthly data plan:

  - 3 months included with kit

  - $2.99/month for 1MB (thousands of messages)

  - No contracts, cancel anytime

- $0.99/each additional MB

Specifications

- STM32F205 ARM Cortex M3 microcontroller
- 1MB Flash, 128K RAM
- Cellular modem: U-Blox SARA U-series (3G)
- 36 pins total: 28 GPIOs (D0-D13, A0-A13), plus TX/RX, 2 GNDs, VIN, VBAT, WKP, 3V3, RST
- Board dimensions: 2.0" x 0.8" x 0.3" (0.5" including headers)

Contents

- 3 months of Particle's 1MB monthly data plan (delivered by email)
- Particle Electron PCB
- Particle SIM Card
- Li-Po battery (2000mAh)
- Taoglas Cellular Antenna
- USB cable
- Breadboard
- Pinout reference card
- Components for a sample product

Country Compatibility

- Europe
- Asia
- Africa

Continent compatibility is ***simplified*** and exceptions exist. Please be sure to check the **full list** of compatible countries for the location in which your product will be deployed.

Documents

Please check the **datasheet** here.

Technical Details
Technical details

Part List

Particle Electron PCB	1
Particle SIM Card	1
Li-Po battery (2000mAh)	1
Taoglas Cellular Antenna	1
USB cable	1
Breadboard	1
Pinout reference card	1
Components for a sample product	1

Compliance & Logistics



HSCODE	9023009000
USHSCODE	9503000090
UPC	841454119876
COO	CHINA

Resource Links

- https://www.seeedstudio.com/Particle-Electron-3G-Kit-Eur-Afr-Asia-For-creating-3G-cellular-connected-products-Particle-SIM-Card-with-Service-in-100-Countries-p-2856.html
- Getting Started
- TUTORIALS
- Tools And Features for Particle Platform
- Particle Community
- Particle Github
- Particle Source
- Particle Blog
- FAQ
- Reference
- Certification

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