

AFFORDABLE AND RELIABLE CC3301 SIMPLELINK™ WI-FI 6 AND BLUETOOTH LE COMPANION ICs

New Product Update

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Agenda

- Design challenges for Wi-Fi connectivity
- Overview of CC330x Wi-Fi 6 family
 - Device Introduction
 - Example applications
 - Easily attach to host running Linux or RTOS
- How to get started

Please feel free to “chat” Andres Blanco (Applications Manager) who is available to answer any questions you have throughout this presentation.

Top trends driving connectivity

More data points enable insights to drive better decisions

As more nodes connect, they need to work everywhere in any environment

Future-proof compliance for standards, and the flexibility to scale across platforms



Creating new possibilities with TI connectivity



Affordable and reliable wireless and wired technologies

Breadth of TI portfolio to match industry standards

Comprehensive features are driving innovation in more applications

Growing design challenges for Wi-Fi connectivity



Challenges with designing Wi-Fi in high-density environments



Consistent RF performance and reliable connection



Cost-effective implementation



Security



Certification process



Ease of design for various architectures



Co-existence with other wireless technologies

New SimpleLink™ Wi-Fi family enables efficient IoT connections in any environment

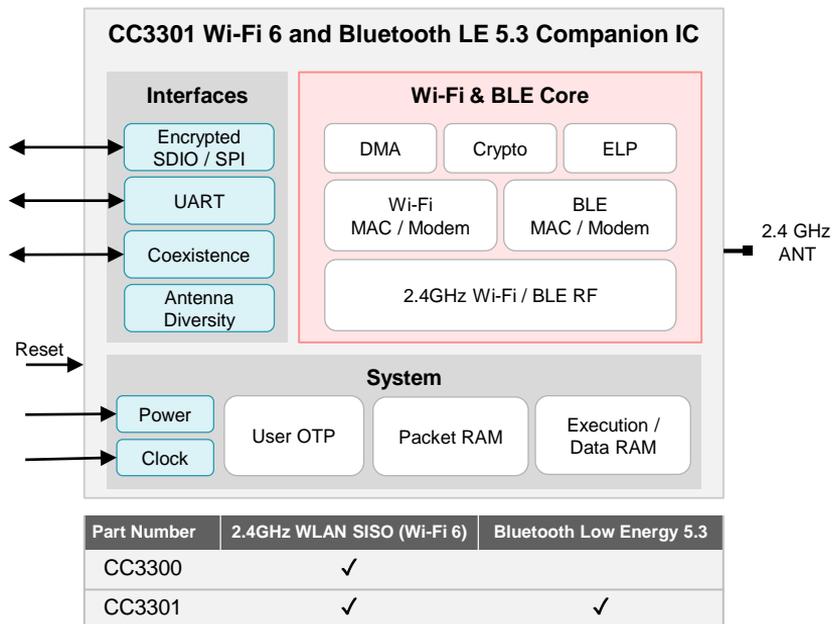
Robust Wi-Fi performance at an affordable price starting at \$1.60/1ku

Supporting the latest connectivity standards (Wi-Fi 6 and *Bluetooth*® Low Energy 5.3)

Easily attach to any MCU or processor



Introducing the CC3300 and CC3301 companion ICs

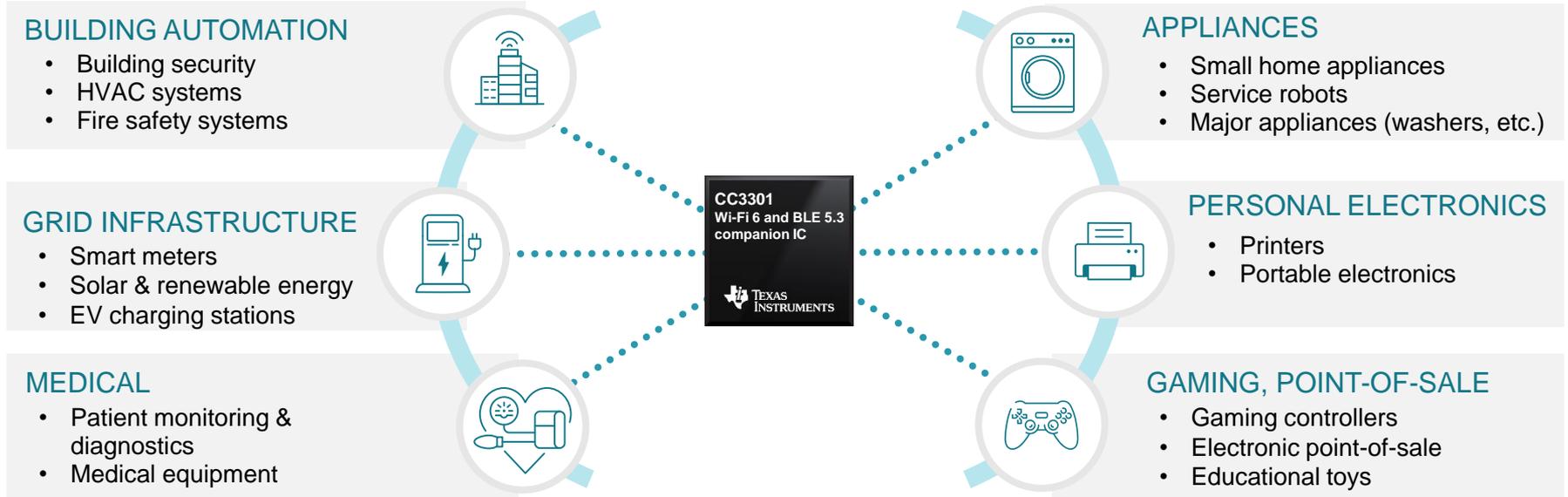


Greater network efficiency and stable connection across more than 230 access points, and at -40°C to 105°C

Proven security including WPA3 cryptographic technologies, firmware authentication

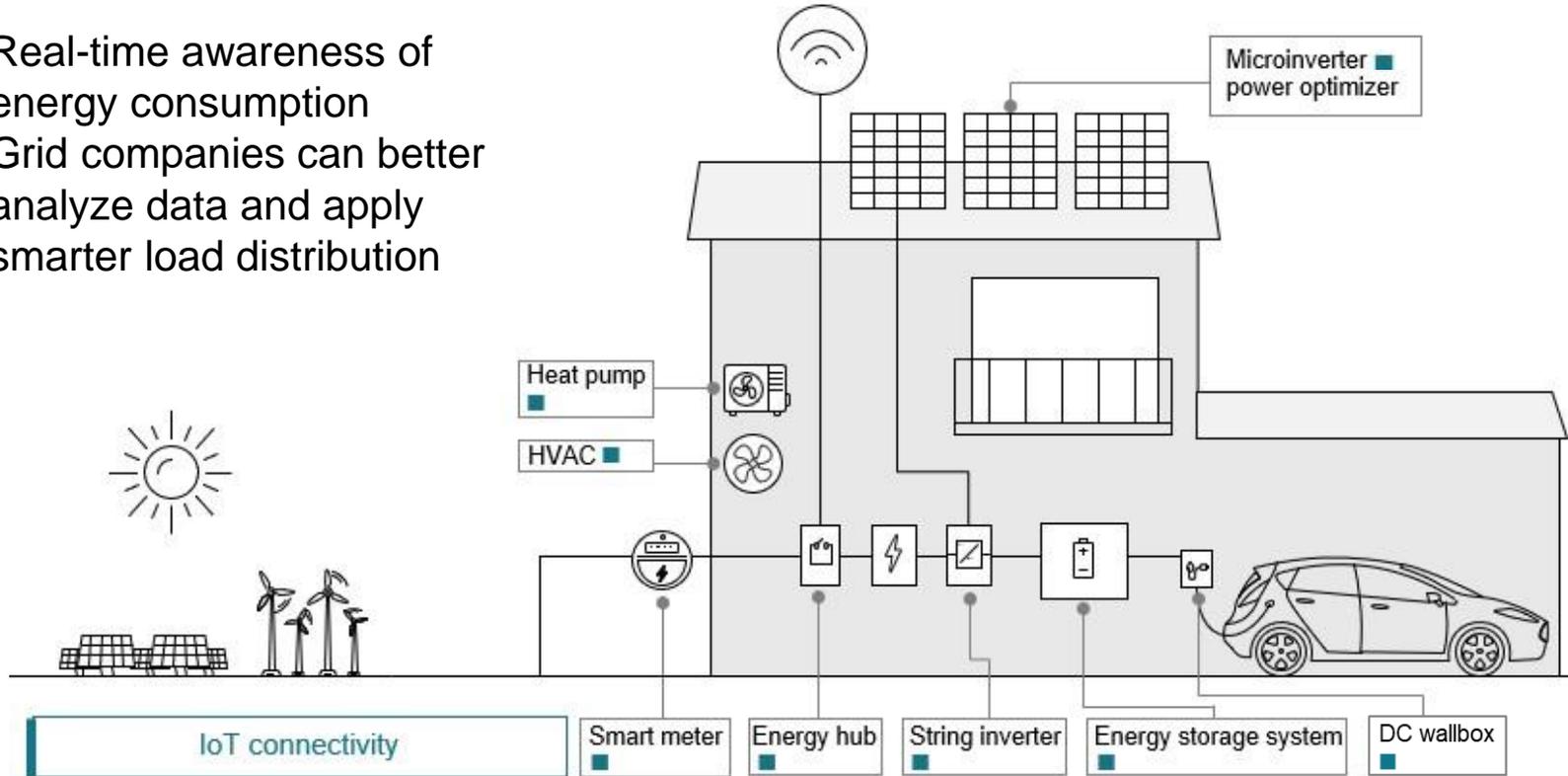
Design flexibility to easily attach to TI and other companies' MCUs and processors

Using Wi-Fi technology in IoT applications



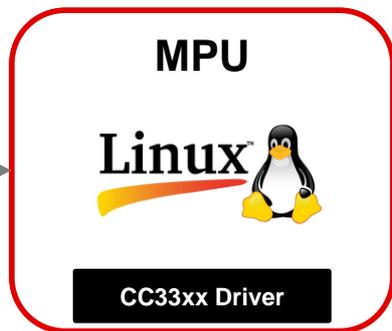
Smarter energy management with Wi-Fi

- Real-time awareness of energy consumption
- Grid companies can better analyze data and apply smarter load distribution

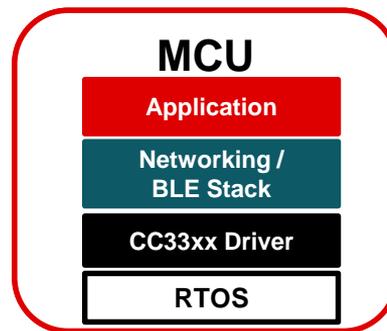


A solution for each IoT end node

E.g. AM62x or any MPU running Linux



Easily add Wi-Fi 6 & BLE to any Linux system



E.g. CC2652R7, AM243x or common 32-bit MCU/MCU+



Lowest cost to add Wi-Fi 6 & BLE to an MCU

Designers can get started today with CC33xx

- Samples available for CC3300 and CC3301 upon request
- Volume production expected in the fourth quarter of 2023
- The new BP-C3301 evaluation board available for US\$39



- TI continues to grow its portfolio of SimpleLink™ wireless MCUs, certified modules and companion ICs
- Proven and tested SimpleLink software development kit (SDK)
- TI Developer Zone: suite of development tools, software, training and TI E2E™ support to meet your requirements

For more details, visit: [TI.com/wifi](https://www.ti.com/wifi)

Getting started

You can start evaluating this device leveraging the following:

Content type	Content title	Link to content or more details
Product folder	CC3301 CC3300	https://www.ti.com/product/CC3301 https://www.ti.com/product/CC3300
Technical blog content	How little-known capabilities of Wi-Fi® 6 help connect IoT devices with confidence	https://e2e.ti.com/blogs_/b/process/posts/how-little-known-capabilities-of-wifi-6-help-connect-iot-devices-with-confidence
Software drivers and design tools	CC33XX-LINUX CC33XX-RTOS	https://www.ti.com/licreg/docs/swlicexportcontrol.tsp?form_id=338887&prod_no=CC33XX-DESIGN&ref_url=epd_connect_wcs_CC3301
Development tool or evaluation kit	BP-CC3301	https://www.ti.com/tool/BP-CC3301

Visit www.ti.com/npu

For more information on the New Product Update series, calendar and archived recordings



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