

You're ready to leap into IoT with top cloud providers.

Fact sheet

When you're making things happen for your business, you need the best network. Now, with the ThingSpace Cloud Connectors program, you get the best cloud partners too.

Internet of Things (IoT) sensors and solutions may be largely autonomous, but they don't develop themselves. Putting an IoT solution together right can be challenging. You need to combine the hardware with onboard software and infrastructure outside of the device itself. Plus you need a network to connect it all. Verizon ThingSpace can help you develop your solution, and now, Verizon has teamed up with cloud providers like Amazon Web Services (AWS) to simplify your path to all the benefits IoT can offer.

Give your IoT devices the support they need.

IoT devices offer enormous promise across industries. From tracking resources for utilities to streamlining operations for manufacturing, they can help remake businesses of all kinds. Yet IoT devices are only as reliable as their infrastructure foundation and network connections.

Verizon ThingSpace offers a way to develop complete IoT solutions, with software development kits, networking and application programming interfaces (APIs) to help you connect your devices to applications that turn data into value. Once developed, though, you'll need a place to host your applications and data. That's where the ThingSpace Cloud Connectors program comes in. You can build your IoT solution on the services of leading cloud providers such as AWS. AWS' reliability and scalability make it an ideal foundation for your solution.

With the Cloud Connectors program, your developers can select the same Verizon-and Amazon-certified developer kit through either the ThingSpace or AWS portal. The kit will be preintegrated and qualified by AWS to work on its platform and to use Verizon as your LTE Cat M-1 network provider. A ThingSpace credit-card payment and connectivity portal makes it easy to get started.

IoT component	Source
Hardware	STMicroelectronics kit
Onboard software	STMicroelectronics kit
Data storage	Amazon Web Services
Application hosting	Amazon Web Services
Analytics	Amazon Web Services
Device management	Verizon ThingSpace
Device connectivity	Verizon ThingSpace
4G LTE network	Verizon

Whatever your business challenge, there's a way to apply IoT technology to it.

Develop better devices.

The ThingSpace Cloud Connectors program also gives you access to a Verizon-certified STMicroelectronics developer kit. ST, a leader in chip manufacturing and IoT components, has put together hardware—including processor, modem, antenna and multiple sensors—with software to help you jump-start your device development.

Using the kit helps you ensure your hardware and software work together, so you can focus your development time on making your devices do the job you need them to. You can easily activate the kit on the Verizon Cat M-1 network.

The developer kit includes embedded support for the Amazon Free Real Time Operating System (FreeRTOS) for microcontrollers, enabling superior machine-to-machine communications. It uses low-power cellular connectivity through an LTE Cat M-1 cellular modem, allowing it to run on battery for years at a time.

Capture the benefits of IoT faster.

With the Verizon ThingSpace Cloud Connectors program, you can develop your IoT solution faster. Easily build that solution with the developer kit and take advantage of its certified device and software compatibility. Then connect your solution to the resources of leading and trusted cloud providers.

Verizon ThingSpace provides a simplified solution for IoT life-cycle management so you can keep all the pieces of your IoT solution operating smoothly. By running that solution on the nation's most reliable 4G LTE network, you get connectivity you can count on to keep the data from your IoT devices flowing.

Match your business challenges with IoT technology.

The possibilities of Internet of Things technology are almost unlimited. You can use it to track remote assets, monitor crop conditions, detect leaks or construct more efficient and responsive buildings. Whatever your business challenge, there's a way to apply IoT technology to it. And now there's a way to get started with that technology easily. Take advantage of the Verizon ThingSpace Cloud Connectors program and put the Internet of Things to work for you.

Learn more.

See how our ThingSpace Cloud Connectors program can help you by contacting your Verizon Wireless business specialist or visiting thingspace.verizon.com/connectors

Amazon FreeRTOS

The ST developer kit uses Amazon FreeRTOS. This operating system makes small, low-power edge devices easy to program, deploy, secure, connect and manage. It is based on the FreeRTOS kernel, a popular open-source operating system for microcontrollers. Amazon has extended the operating system with software libraries that make it easy to securely connect your small, low-power devices to AWS cloud services.