

Avnet Offers “By Engineers, For Engineers” IoT Development Resources

Terms:

When it comes to building IoT-enabled devices and systems, it can take, as the saying goes, a village, or more aptly, an ecosystem – hardware, software, SoCs, SoMs, sensors, connectors, memory, transceivers, power supplies, infrastructure and gateway solutions, cloud platforms, etc. Whether you are a part-time tinkerer or professional developer, Avnet aligns customers with a range of “by engineers, for engineers” tools and resources, including technical communities with starter kits, educational workshops and online training to help customers jump start their IoT projects for a variety of market segments, such as industrial automation, networking and communications, building automation, smart home, smart cities, remote monitoring, predictive maintenance, lighting, security and surveillance, smart energy metering and healthcare.

Communities

- [element14](#): [1] members can connect with engineers, manufacturers, innovators and top experts from around the world to discuss technical challenges and products. Offers online education, exclusive [events](#) [2] featuring the latest products and technology, design challenges, new product “RoadTests,” product reviews and other exclusive members-only resources.
- [CloudConnectKits.org](#): [3] a site targeting designers of cloud enabled, connected devices. The site includes a community forum, documentation, technical specifications, reference designs and startup files for starter kits for cloud connected IoT and IIoT designs.
- [Hackster.io](#): [4] a community-driven site dedicated to hardware learning, that includes member projects, contests, information on all major hardware platforms, apps to improve hardware development workflow
- [Zedboard.org](#): [5] dedicated to designs with the Xilinx Zynq®-7000 All Programmable SoCs. The site offers documentation, reference designs, training material and community forums supporting several Zynq-based kits, including ZedBoard, MicroZed, MicroZed SBC, Zynq®-7000 All Programmable SoC Mini-Module Plus and the Zynq®-7000 All Programmable SoC Mini-ITX.
- [MakerSource.io](#): [6] social gateway to product innovation that provides support and collaboration at every stage of a product lifecycle, from ideation to volume production. Resources include connections to app developers, contract manufacturers, engineering support, attorneys, marketing, venture capital and more.

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Links:

[1] <https://www.element14.com/community/welcome>

[2] <http://www.element14.com/community/groups/technology-training-webinars?ICID=whybecome-member-doc>

[3] <http://cloudconnectkits.org/>

[4] <http://www.hackster.io/>

[5] <http://www.zedboard.org/>

[6] <https://www.makersource.io/>