



## LINEAR TECHNOLOGY WIRELESS SENSOR NETWORKS CUSTOMER FACT SHEET FOR INTERNATIONAL SHIPMENTS

### ***What encryption products does Linear Technology Supply?***

Linear Technology SmartMesh Wireless Sensor Network (WSN) products are comprised of *motes* – nodes that are embedded into field devices, sensors, or actuators – and *managers* – devices embedded into gateways or controllers that manage a network of motes and provide a bridge to an outside network. Linear's WSN hardware devices are made in several forms including bare circuit boards, packaged circuit boards, integrated circuits, and  $\mu$ modules, and such devices typically contain embedded and/or accompanying software. Linear offers its WSN motes and managers in the global license-free 2.4 GHz band to meet a range of requirements for industrial and commercial applications. Linear may also deliver "stand alone" software electronically or via CD in certain applications.

Please refer to: [http://www.linear.com/products/wireless\\_sensor\\_networks](http://www.linear.com/products/wireless_sensor_networks) for additional details and product briefs.

### ***What export controls are applicable to Linear's WSN products and why?***

Goods, software, and technology are all subject to the export control laws and regulations of the United States, including but not limited to the Export Administration Regulations ("EAR"). Certain Linear WSN products utilize encryption technologies which are subject to specific regulations and requirements.

Please refer to: <https://www.bis.doc.gov/policiesandregulations/index.htm#ear> for specific details regarding encryption controls.

### ***What import controls are applicable to Linear's WSN products and why?***

Certain countries have import permit or license requirements for the importation of encryption devices. For your convenience, some of these import controls are available on Linear's website. This is not a complete and definitive list. Other requirements may exist. It is the customer's responsibility to check with their local Customs Authority regarding import controls.

Please refer to: <http://www.linear.com/docs/39238> for specific details regarding some countries' import controls.

### ***What encryption levels are used in Linear's WSN products?***

Encryption use and security levels vary by product type and, accordingly, the specific Linear product(s) being utilized should be referred to in order to determine if and what encryption levels apply.

### ***What considerations apply due to the use of encryption technologies?***

There are many considerations, but of primary importance is classification and, if required, review by the U.S. Department of Commerce of the products for export control and reporting purposes.

Please refer to: <http://www.linear.com/docs/39238> for ECCN numbers, available License Exceptions, and CCATS.



***Where can Linear’s WSN products legally be shipped to? Are there any restrictions?***

The responsibility for ensuring export compliance is that of the exporter of the product. Linear Technology will provide the ECCN number, CCATS number and advise of any License Exceptions that apply for shipment/export. Please also see above for import controls applicable to Linear’s WSN products.

Please refer to: <https://www.bis.doc.gov/policiesandregulations/index.htm#ear> to ascertain what rules/regulations apply for export to your desired destination.

***Are there implications for OEM Customers using Linear’s WSN?***

Linear constantly strives to improve its WSN products including security technology, and accordingly, the CCATS for WSN products may change from time to time. OEM’s should consult with their export compliance department, as well as related counsel, to account for this fact, and allow flexibility when incorporating WSN products. Further, while Linear CCATS may be useful for OEM’s as a guideline, it is responsibility of the OEM to certify and classify their own end products.

***Linear Technology Corporation Terms of Sale***

In addition to Linear’s standard commercial terms of sale, the buyer acknowledges and agrees that the goods, software, and technology subject to this Agreement are subject to the export control laws and regulations of the United States, including but not limited to the Export Administration Regulations (“EAR”), and sanctions regimes of the U.S. Department of Treasury, Office of Foreign Asset Controls. It is the responsibility of the buyer to adhere to all applicable U.S. laws and regulations.

Please refer to: <https://www.bis.doc.gov/policiesandregulations/index.htm#ear> for further information, or contact your export compliance / legal counsel for assistance.

***Are there additional considerations related to international shipments of WSN products?***

Because Linear’s WSN products include radios which transmit and receive data, there may be country specific communication regulations which apply (e.g., the U.S. Federal Communications Commission, or FCC). These regulations vary by country and may impose additional compliance and/or regulatory requirements on the importer or exporter of the products.

This overview is intended only as a tool to assist OEM’s in assessing Linear’s WSN products. Each OEM is responsible to ensure their WSN products meet applicable export requirements which may be different than those outlined herein as they pertain specifically to Linear’s products. This document does not provide legal advice. It is the responsibility of the OEM to consult with their own export compliance or legal counsel with any questions regarding export control requirements.