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# Wireless Control

Receiver, Transmitter and Transceiver ICs for the Sub 1 GHz Frequency Bands



Wireless Control has become an indispensable item of everyday's life. Starting from routines like gate openers, window shutters and remote controls through metering and wireless fire-alarms to automotive applications like remote keyless entry and tire pressure monitoring systems, wireless control devices have established themselves as a cost-efficient and robust solution for a broad range of control applications.

**SmartLEWIS™**  
Smart Low Energy Wireless Systems

Experience the next generation Wireless Control products from Infineon. The SmartLEWIS™ family members are "intelligent" receiver and transmitter ICs which incorporate:

- Highest level of integration to reduce system complexity
- Digital baseband processing to reduce system current consumption
- Highest level of performance and functionality

Whenever you think about Wireless Control, remember SmartLEWIS products to be the smartest choice!

- [SmartLEWIS™ RX+ - High Sensitivity Receiver with digital baseband processing](#)
- [SmartLEWIS™ MCU - Multiband Transmitter with embedded Microcontroller](#)
- [SmartLEWIS™ TRX - Multi-channel Transceiver with digital baseband processing.](#)
- [SmartLEWIS™ TX - Multi-channel Transmitter](#)

Wireless Control subcategories + Expand all subcategories

- + Wireless Control Receiver
- + Wireless Control Transmitter
- + Wireless Control Transmitter + Microcontroller
- + Wireless Control Transceiver
- + Development Tooling
- + Application Examples
  - › Design House Partner



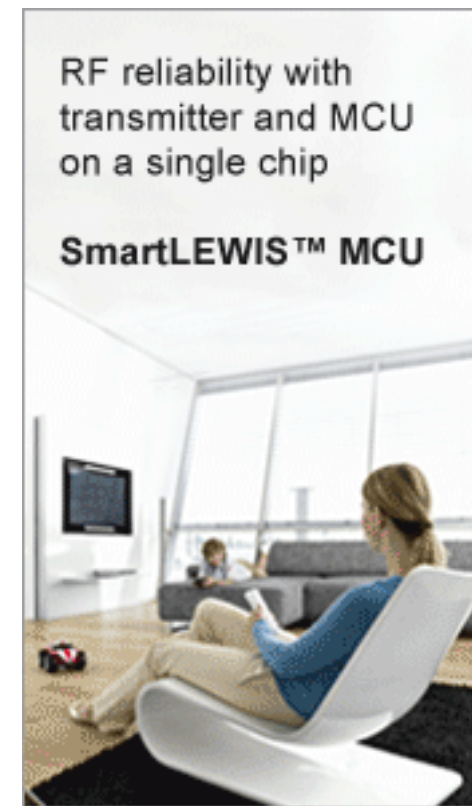
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Wireless Application  
Selection Guide  
2014

Download here! ➤



# Wireless Control

## Product Overview

Title	Size	Date	Version
<a href="#">Short Technical Portfolio Overview</a>	204 KB	13 May 2013	01_01

## Product Brochure

Title	Size	Date	Version
<a href="#">Make Your Application Wireless-Sub 1GHz RF Solutions</a> ▶ EN	1.6 MB	20 Nov 2014	02_00

## Application Notes

Title	Size	Date	Version
<a href="#">RF Design Verification Guidelines</a>	994 KB	18 Oct 2012	01_00

## Additional Product Information

Title	Size	Date	Version
<div>Wireless Control Documentation &amp; Tooling Overview</div> <div>› EN</div>	51 KB	01 Oct 2014	02_00

## Application Brochure

Title	Size	Date	Version
<div>Solutions for Wind Energy Systems</div>	5.4 MB	01 Apr 2013	01_00
<div>Transportation Brochure (24-60V)</div>	6.9 MB	01 Jul 2013	

## Product Selection Guide

Title	Size	Date	Version
<div>Industrial Automation 2013</div>	5.1 MB	01 Jan 2013	01_00
<div>Smart Grid Semiconductor Solutions 2013</div>	6.5 MB	01 Jan 2013	01_00

# Wireless Control

## Evaluation Boards

Board	Family	Description	Status
<div>› TDA5235_315_5_BOARD</div>	Receiver	<div>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</div> <div><ul style="list-style-type: none"><li>SmartLEWIS™</li><li>TDA 5225</li><li>TDA 5235</li><li>TDA 5240</li></ul></div>	
<div>› TDA5235_434_5_BOARD</div>	Receiver	<div>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</div> <div><ul style="list-style-type: none"><li>SmartLEWIS™</li><li>TDA 5225</li><li>TDA 5235</li><li>TDA 5240</li></ul></div>	

› TDA5235_868_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	
› TDA5235_915_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	on request
› TDA5240_315_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	
› TDA5240_434_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	
› TDA5240_868_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	

› TDA5240_915_5_BOARD	Receiver	<p>Evaluation kit for the TDA 52xx receiver for 315, 434, 868 and 915MHz. For the complete kit a SmartLEWIS_SIB_Board is required.</p> <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5225</li> <li>• TDA 5235</li> <li>• TDA 5240</li> </ul>	on request
› TDK5101-TDA5211_315_5	Transmitter, Receiver	<p>Evaluation kit for the transmitter TDK 5101 and receiver TDA 5211/ TDA 5221 for 315MHz and output power of 5dBm. Evaluation kit for the receiver TDA 5211 and transmitter TDK 5101/TDK 5111F for 315MHz.</p> <ul style="list-style-type: none"> <li>• TDA 5211</li> <li>• TDK 5101</li> </ul>	active and preferred
› TDK5101-TDA5221_315_5	Transmitter, Receiver	<p>Evaluation kit for the transmitter TDK 5101 and receiver TDA 5211/ TDA 5221 for 315MHz and output power of 5dBm. Evaluation kit for the receiver TDA 5221 and transmitter TDK 5101/TDK 5101F/TDK 5111 for 315MHz.</p> <ul style="list-style-type: none"> <li>• TDA 5221</li> <li>• TDK 5101</li> </ul>	active and preferred
› TDK5100-TDA5220_434_5	Receiver, Transmitter	<p>Evaluation kit for the receiver TDA 5220 and transmitter TDK 5100/TDK 5100F/TDK 5110/TDK 5116F for 434/868MHz. Evaluation kit for the transmitter TDK 5100 and receiver TDA 5210/ TDA 5220 for 434/868MHz and output power of 5dBm.</p> <ul style="list-style-type: none"> <li>• TDA 5220</li> <li>• TDK 5100</li> </ul>	active and preferred
› TDA5102-TDA5212_915_5	Transmitter, Receiver	<p>Evaluation kit for the transmitter TDK 5111 and receiver TDA 5221 for 315MHz and output power of 10dBm. Evaluation kit for the receiver TDA 5221 and transmitter TDK 5101/TDK 5101F/TDK 5111 for 315MHz.</p> <ul style="list-style-type: none"> <li>• TDA 5221</li> <li>• TDK 5111</li> </ul>	active and preferred

› TDK5111-TDA5221_315_10	Transmitter, Receiver	Evaluation kit for the transmitter TDK 5111 and receiver TDA 5221 for 315MHz and output power of 10dBm. Evaluation kit for the receiver TDA 5221 and transmitter TDK 5101/TDK 5101F/TDK 5111 for 315MHz <ul style="list-style-type: none"> <li>• TDA 5221</li> <li>• TDK 5111</li> </ul>	active  and preferred
› TDK 5111F-TDA5211_315_10	Transmitter, Receiver	Evaluation kit for the transmitter TDK 5111F and receiver TDA 5211 for 315MHz and output power 10dBm. Evaluation kit for the receiver TDA 5211 and transmitter TDK 5101/TDK 5111F for 315MHz. <ul style="list-style-type: none"> <li>• TDA 5211</li> <li>• TDK 5111F</li> </ul>	active  and preferred
› TDA7100-TDA7200_434_5	Transmitter, Receiver	Evaluation kit for the transmitter TDA 7100 and receiver TDA 7200 for 434MHz and output power of 5dBm. Evaluation kit for the receiver TDA 7200 and transmitter TDA 7100 for 434MHz. <ul style="list-style-type: none"> <li>• TDA 7100</li> <li>• TDA 7200</li> </ul>	active  and preferred
› TDA5230_868_5_BOARD	Receiver	Evaluation board for the receiver TDA 5230 and TDA 5231 for 315, 434 and 868MHz. <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5230</li> <li>• TDA 5231</li> </ul>	not for new design
› TDA5230_434_5_BOARD	Receiver	Evaluation board for the receiver TDA 5230 and TDA 5231 for 315, 434 and 868MHz. <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5230</li> <li>• TDA 5231</li> </ul>	not for new design
› TDA5231_315_5_BOARD	Receiver	Evaluation board for the receiver TDA 5230 and TDA 5231 for 315, 434 and 868MHz. <ul style="list-style-type: none"> <li>• SmartLEWIS™</li> <li>• TDA 5230</li> <li>• TDA 5231</li> </ul>	not for new design

› TDA5250-TDA5250_868 KIT	Transceiver	Evaluation kit for the transceiver TDA 525x for 315, 434, 868 and 915 MHz. <ul style="list-style-type: none"><li>• TDA 5250</li><li>• TDA 5251</li><li>• TDA 5252</li><li>• TDA 5255</li></ul>	active and preferred
› TDA5252-TDA5252_915 KIT		Evaluation kit for the transceiver TDA 525x for 315, 434, 868 and 915 MHz. <ul style="list-style-type: none"><li>• TDA 5250</li><li>• TDA 5251</li><li>• TDA 5252</li><li>• TDA 5255</li></ul>	active and preferred

# Wireless Control

## Self Service

Please state your question

Proposals

Send E-Mail

FAQ

1. Technical Support
2. Green Products
3. Chip Card and Security Distis
4. Supplier Service, Supplier Page, page regsitration
5. Radar chips (differentiate between a. 24GHz and 60GHz Industrial radar, b. 24GHz Automotive radar, c. 77GHz Automotive radar)
6. 绿色产品
7. Product Counterfeit Step 1

Infineon welcomes your comments and questions.

If you have any questions concerning our products, please fill out the following form. Your inquiry will be sent to the appropriate specialist who will be in touch with you as soon as possible.

You will receive a confirmation E-mail to validate your address in our system. Any attached file to



the reply which will help to support your inquiry is highly appreciated.

First Name\*

Last Name\*

E-Mail\*

Phone

Company\*

Company website (URL)

Industry\*

[please select]

Other Industry

Country\*

[please select]

Preferred Distributor / Reseller\*

[please select]

Other Distributor / Reseller

Product Name\*

Wireless Control

Estimated annual production volume (pieces) per year\*

[please select]

Please post your technical question as detailed as possible\*

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