

# USB 2.0 RG2300A/ RG2310A Core Developer Kits

Integrated USB 2.0 Extender Modules

## Quick Start Guide

### Package Contents:

- (1) RG2300A or RG2310A Core Series Local Extender Evaluation Board
- (1) RG2300A or RG2310A Core Series Remote Extender Evaluation Board
- (1) RG2300A or RG2310A Core Series Local Extender Module\*\*
- (1) RG2300A or RG2310A Core Series Remote Extender Module\*\*
- (1) USB Hub Module
- (2) Matching Link Interface Modules\*\*
- (1) USB A to B Cable
- (1) USB A to Mini B Programming Cable
- (1) International Power Supply
- (1) Power Cord\*\*
- (1) USB Drive containing Documentation Files\*

\* All documentation on the USB drive referring to the RG2300 core series also applies to the RG2300A and RG2310A cores.

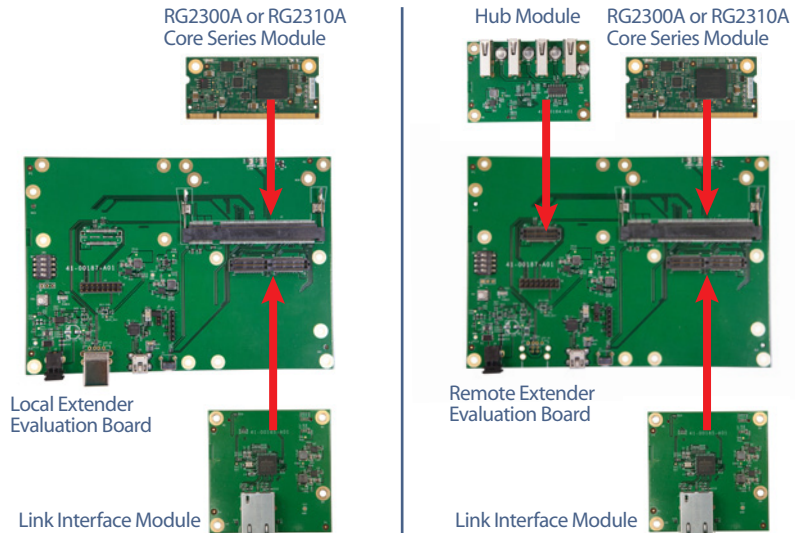
\*\* Specified to your order.

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USB

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Before you get started, ensure that all the drivers required for your USB device(s) are installed.

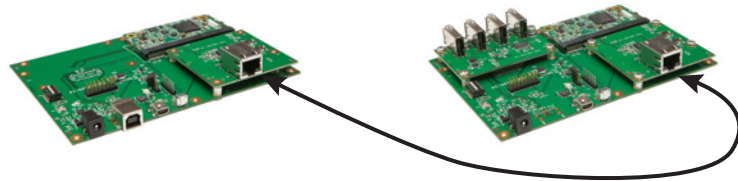
- 1 If not already pre-assembled, install the core modules, link interface modules and hub module into the two evaluation boards.



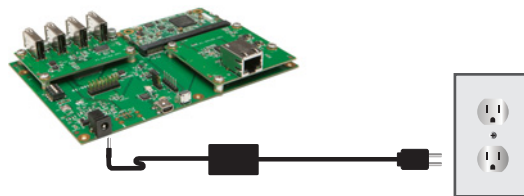
- 2 Connect the local and remote extender evaluation boards together using the appropriate link cable with your corresponding link interface modules:

- **GMII or RGMII** – CAT 5e or better, up to 100m
- **TBI** – OM2 multimode fiber up to 500m or singlemode fiber up to 10km

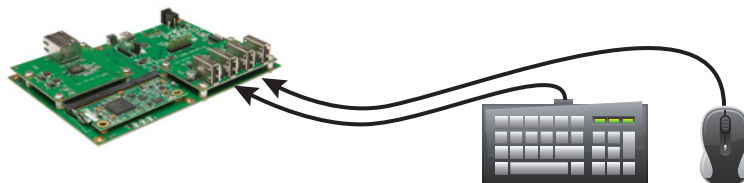
*Note:* RG2310A core modules support local networking when connected by CAT 5e or better cabling through a network switch using GMII or RGMII link modules.



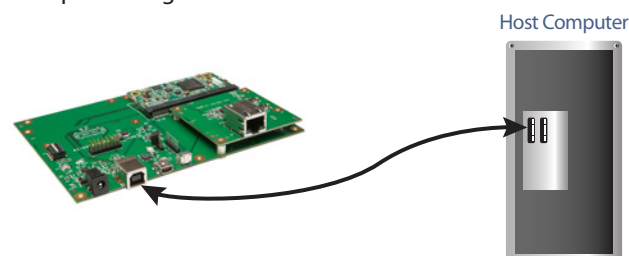
- 3 Connect the remote extender evaluation board to the supplied power supply and power cable, and plug it into a power outlet.



- 4 Connect your USB device(s) into the USB A port(s) on the USB hub module mounted on the remote extender board.



- 5 Connect the USB Type B port on the local extender evaluation board into a USB port on the host computer using the included USB A to B cable.



# USB 2.0 RG2300A/2310A Core Series Developer Kit

Thank you for choosing the USB 2.0 RG2300A/RG2310A Core Series Developer Kit to evaluate USB 2.0 extension for your designs.

## Documentation

All documentation files can be found on the enclosed USB drive, such as specifications, firmware files, schematics, gerbers, etc.

**All documentation referring to the RG2300 core series also applies to the RG2300A and RG2310A cores.**

## Limited Hardware Warranty

Icron Technologies Corporation warrants that any hardware products accompanying this documentation shall be free from significant defects in material and workmanship for a period of two years from the date of purchase. Icron Technologies Corporation's hardware warranty extends to Licensee, its customers and end users.

The warranty does not include repair of failures caused by: misuse, neglect, accident, modification, operation outside a normal operating environment, service of the device by non-authorized servicers or a product for which Icron is not responsible.

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## Obtaining Warranty Service

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Address to return product: Icron Technologies Corporation  
Att: RMA Coordinator  
4664 Lougheed Highway, Suite 221  
Burnaby, BC V5C 5T5 Canada



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