



# Trimension SR040 IOP reference device v1

*For FiRa™ Consortium PHY/MAC  
interoperability testing*

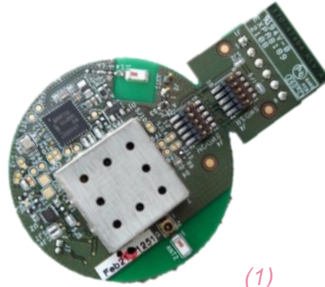


What the  
Trimension SR040 IOP  
reference device v1 offers  
and content

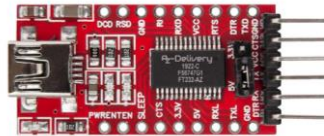
**fira** | The Power  
to Be Precise

In partnership with

**NXP**



(1)



(2)



(3)

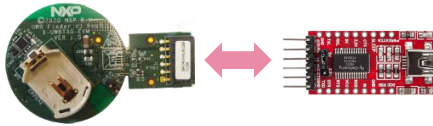
The **Trimension SR040 IOP reference device v1** is an autonomous, battery powered UWB device that features Trimension SR040 and QN9090 (a Bluetooth LE-enabled micro controller).

Together with the **UART to USB converter**, it can be used as the SR040 reference device for FiRa™ Consortium PHY/MAC interoperability testing.

Content:

- **1x Trimension SR040 IOP reference device v1** (1)  
Preloaded software for FiRa™ interoperability testing
- **1x UART to USB converter** (2)
- **1x USB to mini b cable** (3)

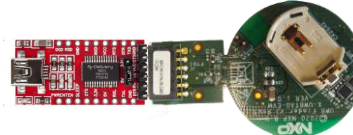
Trimension SR040 IOP  
reference device v1  
Out-of-the-box  
experience



Connect the USB to UART board to the FTDI interface of the Trimension SR040 IOP reference device v1



USB cable

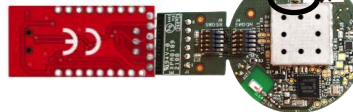


FiRa™ MAC  
and PHY  
interoperability

Using the USB cable connect the setup to the FiRa™ test tool to execute FiRa™ MAC and PHY Interoperability Tests



USB cable



FiRa™ PHY  
conformance

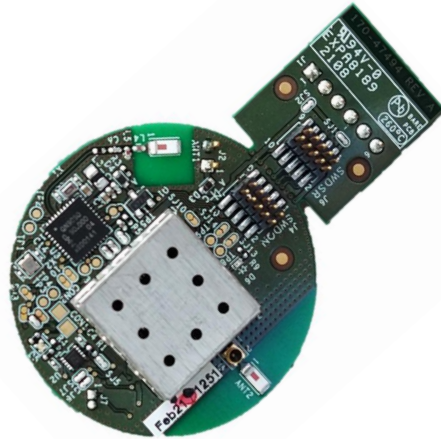
Using the USB cable connect the setup to the FiRa™ test tool and use the onboard RF connector to execute FiRa™ PHY Tests



**Trimension SR040 IOP  
reference device v1**  
Ordering details

Order the Trimension SR040 IOP  
reference device v1 at  
MobileKnowledge's website

<http://www.themobileknowledge.com/product/iop-sr040-reference-device-v1/>



**Trimension SR040  
IOP reference  
device v1**

For FiRa™ Consortium  
PHY/MAC interoperability  
testing

**200 €**

**MK Services**

Contact us for further information  
[contact@themobileknowledge.com](mailto:contact@themobileknowledge.com)

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to Be **Precise**

Shipping costs not included

Want to do more ?

The **MK UWB Kit SR150/SR040** is the most comprehensive **reference design** and **development platform** for UWB-based IoT solutions.

Leverage on UWB technology advanced functionalities and benefit from **NXP Trimention™ SR150 and Trimention™ SR040 UWB IC** capabilities.

Experience UWB technology with ready-to-run **demonstration apps**, **Arduino-connected development boards** and **software libraries** to start prototyping and developing your own UWB applications with minimum effort.

Leverage on our powerful software tools such as the **MK UWB Toolbox Android** application to develop innovative mobile applications, the **MK UWB PC Shell** application to obtain ranging information on any host computer, the **MK UWB Library** which provides a simple but powerful API for your IoT embedded solution and out-of-the-box support for **NXP QN9090 and Nordic nRF 52840 MCUs**.

Visit our website for further information:

<https://www.themobileknowledge.com/product/mk-uwb-kit-sr150-sr040/>

Or contact us:

[contact@themobileknowledge.com](mailto:contact@themobileknowledge.com)

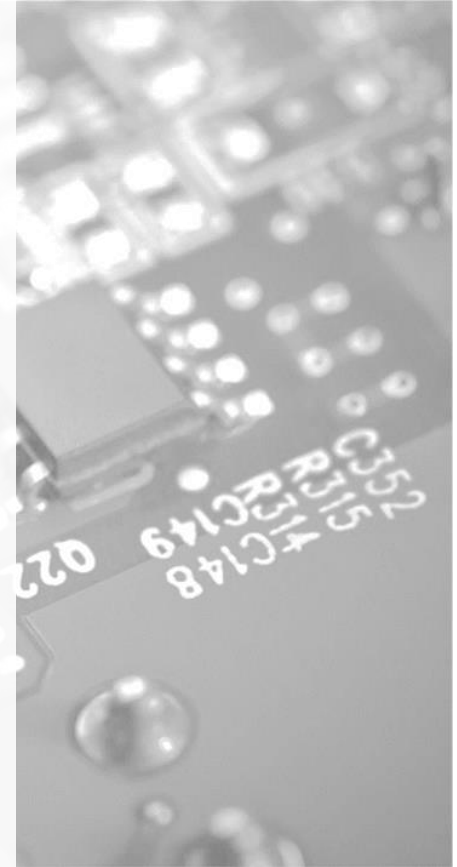


Want to do more ?

Long-standing expertise in UWB technology to help you reduce your time to market and focus on your own UWB solution development

Contact us for further information:  
[contact@themobileknowledge.com](mailto:contact@themobileknowledge.com)

- **Development of customized UWB use cases:** Embedded software development, mobile application software development, back-end integration, system integration,...
- **UWB technology consulting and support services:** Guidance on use case definition and system integration, system architecture, software requirements, Q&A resolution, FIRA related process and use cases,...
- **Design and development of customized antenna board** based on customer requirements and constraints in order to optimize ranging and AoA measurements
- **Porting of MK UWB SDK** into a customer platform, enabling MK UWB SDK software tools and functionalities on any customer platform that meets the SDK requirements
- **Licensing of MK UWB Library**, for an easy integration of UWB technology while accelerating the time to market





**Mobile**  
**Knowledge**

[www.themobileknowledge.com](http://www.themobileknowledge.com)

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