



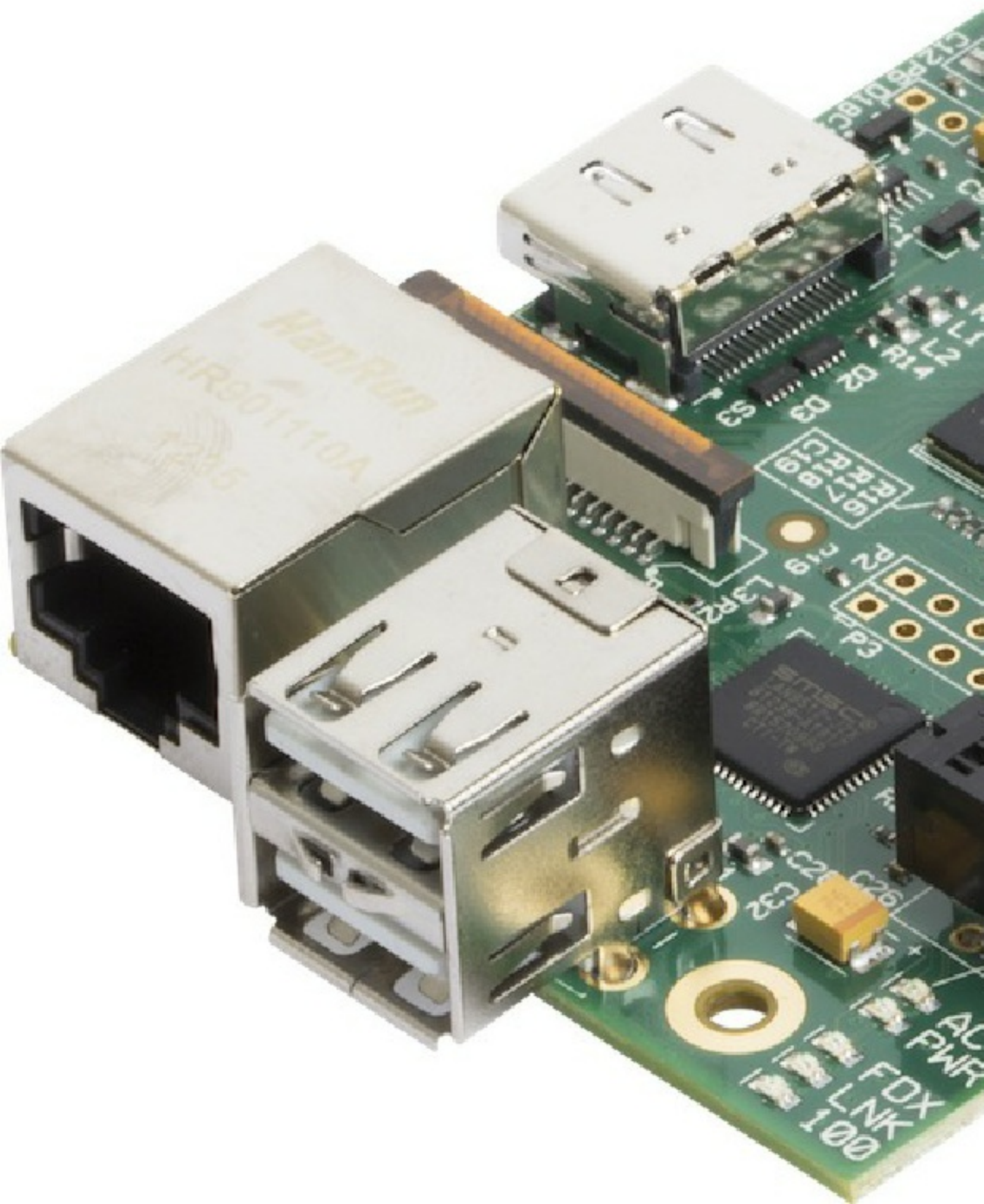
# RIOT INTERNATIONAL

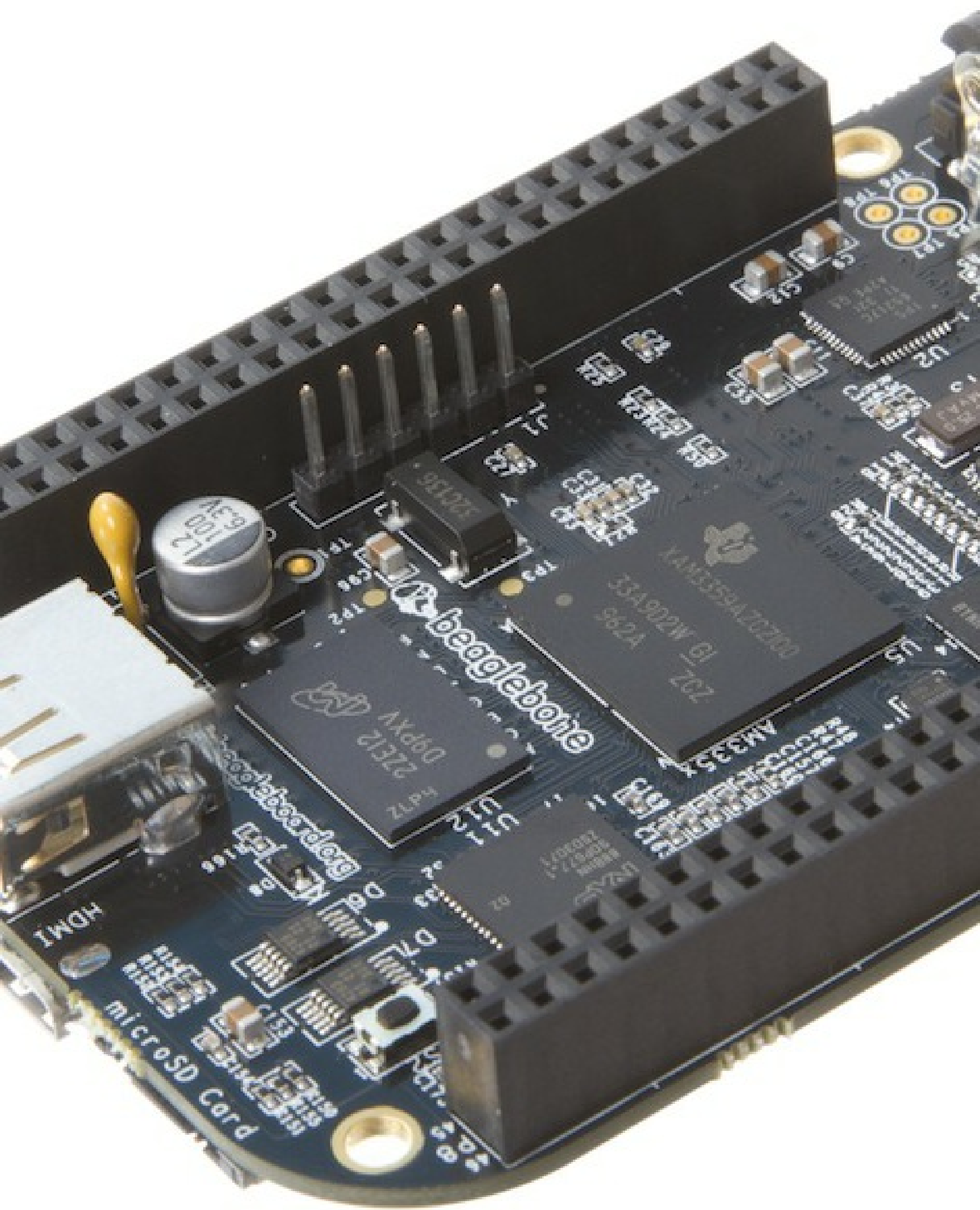
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# RIOT INTERNATIONAL

RloT International is a technology enabler within the Internet of Things industry - providing a full ranges of consultancy services covering technology management, hardware prototyping, software development and go-to-market product lifecycle expertise.







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# SERVICES

RIoT International provides the following technology services to its customers.

# SOFTWARE DEVELOPMENT

Do you need IoT embedded, mobile or server software development done?

RIoT International is capable of taking your software concepts and identifying the appropriate platforms, underlying technologies and development methodologies to ensure it is delivered on-time, within budget and has a maintainable future to allow to expand as requirements change.

We offer software development expertise in the following areas:

## PROGRAMMING LANGUAGES

RIoT International can support any programming language that is requested.

Our team consists of hard-core programmers who are happy to work at any level of the software stack; ranging from poking bits directly to the hardware all the way through to interpretive scripting languages. We can identify the appropriate language for your needs and ensure that the most CPU and memory efficient solution is built to satisfy your requirements.

C/C++ is our favourite language as it is the most portable at a native level.



## MOBILE DEVELOPMENT

RIoT International supports the following mobile platforms:

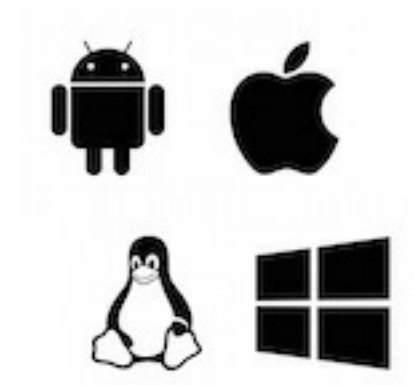
- iOS
- android
- Windows Phone
- Blackberry 10
- embedded Linux
- HTML5



Our team has been developing mobile applications for over fifteen years and has a great vision of future technological advances - with extensive experience across all major platforms (past and present) we can identify common idioms to minimise silo style development when working with multiple platforms.

## FIRMWARE DEVELOPMENT

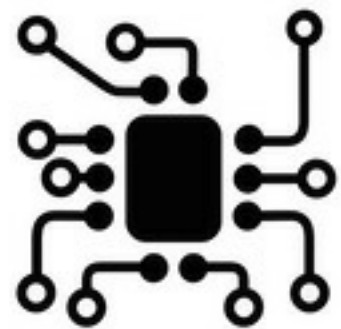
RIoT International can build custom firmware for your hardware projects.



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Targeting micro-controllers can be a daunting task; especially due to limited processing and memory resources. Our team is capable of writing very efficient firmware code that matches the requirements set out and we guarantee the best possible solution using minimal resources to get the task done.

We have worked with many micro-controller variants and CPU architectures.



# HARDWARE PROTOTYPING

Do you have an IoT based concept that needs custom hardware built for it?

RIoT International is capable of taking your requirements and identifying the appropriate hardware components required to build a hardware prototype that can be used to demonstrate your concept in action. In conjunction with some software development; a full prototype can be developed to review feasibility and move the concept onto production phase.

We tinker with a number of IoT technologies; such as the following:

## ARDUINO

Arduino is an open-source single-board micro-controller platform, intended to make building interactive objects or environments more accessible.



The hardware consists of an open-source board designed around a number of micro-controllers with various capacities of flash memory, RAM and EEPROM designed to execute simple sketches that can be written to interface with different GPIO interfaces and hardware accessories.

# HARDWARE PROTOTYPING

## RASPBERRY PI

The Raspberry Pi is an open source credit-card sized computer platform originally designed with the intention of promoting the teaching of basic computer science in schools that plugs into your TV and computer keyboard.

The device is based on the ARM based system on chip that includes at least a 700MHz ARM processor, in-built GPU with HDMI connectivity and at least 256Mb of RAM - a number of models exist for different purposes and utilise an embedded optimised version of Linux operating system.



# TECHNICAL DUE DILIGENCE

Do you require technology review for the means of acquisition or investment?

RIoT International is capable of offering technical due diligence services to assist in the review of technological companies for the purpose of merger and acquisitions or investment purposes. Our team is capable of identifying upcoming technology trends and give an unbiased, yet quantifiable opinion on technology and the team behind the company in question.

We offer the technical due diligence in the following areas:

## RISK MANAGEMENT

RIoT International can minimise risk reviewing the following areas:

- vitality
- scalability
- maintainability
- continuity



The valuation of a company or concept is more than the technology itself; understanding all aspects of the company is vital - from the technical architecture, code management and review, development methodologies,

# TECHNICAL DUE DILIGENCE

testing procedures, feature/bug management, end-user product support through to how the team work together as a whole.

## OPEN SOURCE

RIoT International is familiar with a number of open source licenses:



- Apache 2.0
- BSD
- GNU General Public License (GPL)
- GNU Library (or Lessor) Public License (LGPL)
- MIT
- Mozilla Public License
- and many more

The use of open source has increased in popularity recently; however, each license comes with it's own set of caveats that may have direct or even indirect effect on the value of technology. Understanding each license and identifying which are "free" to use for commercial purposes is vital when using open source.

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# TECHNICAL LEADERSHIP

## DEVELOPMENT METHODOLOGIES

RIoT International can identify the appropriate development methodology.

Our team has experience in all major development methodologies from waterfall through to the ever increasingly popular agile and we understand that each has their own advantages and disadvantages. We can identify the appropriate development methodology; or even a combination of them to best match your requirements.



## PROJECT MANAGEMENT



# COACHING AND MENTORSHIP



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# CUSTOMERS

RIoT International has provided technology services and guidance to the following companies.

# MARGARET RIVER HOME HARDWARE

Margaret River HOME Timber & Hardware is owned by locals Anne & Lloyd Shepherdson and has been operating for over 30 years; prides itself on its product knowledge and customer service and is the number one destination point for the Tradie and DIYer.



# MARGARET RIVER DISTRICT CLUB

The Margaret River District Club has been a favourite meeting place for the locals and visitors alike - nestled in the heart of Margaret River in WA's south west this charming and newly developed club has everything anyone is looking for in a social and friendly atmosphere.



# BIOSYNC TECHNOLOGY AB

Biosync Technology is an innovation company based on the research within the biometric sensor field over over 10 years by the Swedish Institute of Computer Science and Mobile Life VINN Excellence Centre in Stockholm, Sweden.



# MILLSEED PTY LTD

Millseed is a research and development company involved in a wide range of technologies geared towards the water industry, from basic logging equipment to the development of cutting edge analytic systems.



# KOCOVERK MOBILE TECH LTD

Kocoverk offer a brand new set of wireless remote-control functions to reduce costs and improve GSE work-process efficiencies. The system will allow personnel to remote control start and stop of GSE equipment and at the same time see its position and status.



# EVOTHSINGS AB

Evothings is a mobile application enabler for the Internet of Things (IoT) industry, helping developers and technology players that have the need to create and prototype mobile applications and deliver services that interface with their technologies.



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# CONTACT



## ONLINE FORM

<https://www.riot.international/contact>



# CONTACT

## ADDRESS

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Margaret River 6285  
Western Australia



# CONTACT

## OPENING HOURS

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09:00 to 17:00

# CONTACT

## EMAIL

info@riot.international

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## PHONE

+61 43 234 8856

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# ABOUT RIOT INTERNATIONAL

RIoT International is a technology enabler within the Internet of Things industry - providing a full ranges of consultancy services covering technology management, hardware prototyping, software development and go-to-market product lifecycle expertise.

## AARON ARDIRI - FOUNDER

Aaron, the founder of RIoT International has over 15 years experience within the technology space with proven capabilities of software architecture, extensive experience with machine to machine and embedded technologies, public speaking, agile development methodologies and known for taking ideas from conceptual states right through to commercial production.

Prior to founding RIoT International Pty Ltd, Aaron has held various technical leadership positions with a number of start-up companies and fortune 500 companies - covering all aspects of medical publishing, context awareness, mobile device management, security and the Internet of Things. Aaron also has extensive public speaking experience both as an industry specialist as was being known as the face of the BlackBerry 10 evangelist team organising and presenting a number of developer focused events within the EMEA region for BlackBerry.

Aaron has extensive experience in working with mobile and embedded

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systems, system architecture, cross platform development techniques, development tools, mobile gaming, education software, security, cryptography, technical due diligence, hardware prototyping and implementing agile software development processes with both in house and off shore development teams.

A complete biography and references are available on request.





**AARON ARDIRI LINKEDIN  
PROFILE**

<https://www.linkedin.com/in/ardiri/>





# TECHNOLOGY ENABLER WITHIN THE INTERNET OF THINGS INDUSTRY.

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