Linaro™

RZ Ecosystem Partner Solution
Linaro ONELab

RENESAS
RZ
READY

Solution Summary

"ONELab" is a new collaborative initiative from Linaro to provide interoperability at scale for Arm®-based edge and IoT devices. ONELab operates as a virtual plug fest, with silicon vendors (SiPs) and original design manufacturers (ODMs) providing platforms for testing, while OS vendors and cloud service providers contribute operating systems and test suites. The lab schedules test runs, collects results, and provides detailed reports to users, enabling them to identify and resolve interoperability issues proactively. Renesas joins as a lead partner with RZ Family MPUs for the new collaboration.

Features/Benefits

- **Save time and resources** → designed to streamline the testing and Arm SystemReady and PSA Certified certification process, making it effortless for users to verify hardware and software compatibility.
- **Minimize risks and reduce costs** → Identify issues early by addressing compatibility concerns throughout customer development process, reducing the risk of costly setbacks later on.
- **Trust granted** → provide evidence that products are cloud-native edge-ready and ensures products work seamlessly together.

Diagrams/Graphics

Board	SoC	SoC Vendor	Firmware Release Stream	Latest Version	Firmware — SystemReady v2.1	Cloud Native — AWS IoT Greengrass v5.5	Cloud Native — Eclipse Kanto v1.0	Distribution — Fedora Installation v39	Distribution — Poky/Yocto Installation v24.0	Security — Parsec v1.0	Security — PSA v1.0
qc-rb2	QRB4210	Qualcomm	☑ QC RB2	v1.0	⊘	⊘	⊘	⊘ v38	⊘	⊘ v0.9-rc	⊘
sk-am62p-lp	AM62P	Texas Instruments	☐ SK-AM62P-LP	v1.0	⊘ v1.8	⊘ v5.0			⊘	⊘	⊘
rz-g2l-evk	RZ/G2L	Renesas Electronics	☐ RZ/G2L	v1.0	⊘ v2.0	⊘	⊘	⊘ v37	⊘	⊘	
lec-imx8mp	i.MX 8M Plus	ADLINK Technology	☐ LEC-IMX8MP Dev Kit	v1.0	⊘ v2.0	⊘		⊘	⊘		
kv260	Zynq™ UltraScale+™ MPSoC	AMD	☐ European Wifi (dev + prod)	v1.0	⊘ v1.8	⊘		⊘	⊘	⊘	⊘
			☐ Brazilian Wifi	v0.2		⊘	⊘	⊘		⊘	
			Show more (3)								

Target Markets and Applications

- Internet of Things (IoT) devices
- Embedded systems
- AI & Machine Learning systems

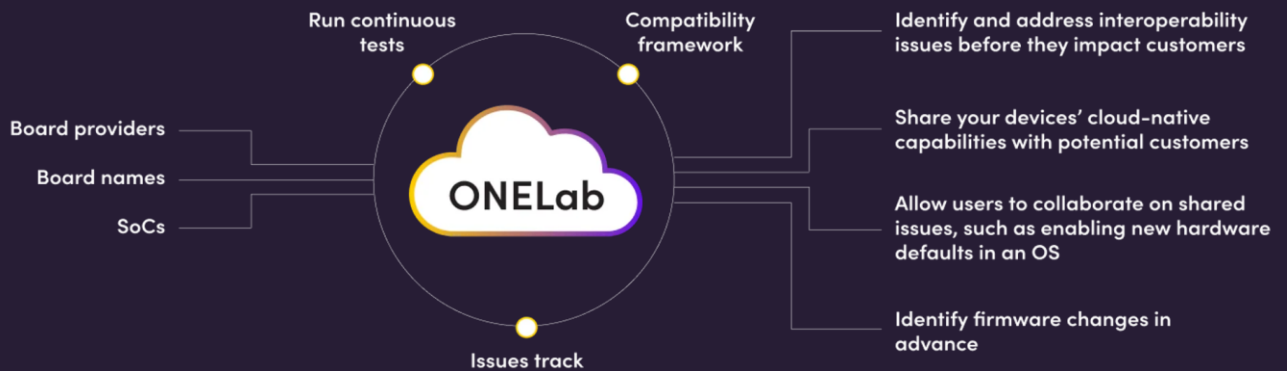https://www.linaro.org/solutions/onelab

linaro™

In an era where connectivity is king, compatibility is your kingdom

ONELab revolutionizes edge and IoT device interoperability testing.

We help Silicon Vendors and Device Makers to conduct continuous interoperability tests among different Operating Systems and Cloud Services.

ONELab is innovation done riaht

Run continuous tests

Compatibility framework

Identify and address interoperability issues before they impact customers

Board providers

Board names

SoCs

ONELab

Share your devices' cloud-native capabilities with potential customers

Allow users to collaborate on shared issues, such as enabling new hardware defaults in an OS

Identify firmware changes in advance

Issues track

Save Time & Resources

Designed to streamline the testing and Arm SystemReady and PSA Certified certification process, making it effortless for users to verify hardware and software compatibility.

Minimize Risks & Reduce Costs

Identify issues early by addressing compatibility concerns throughout your development process, reducing the risk of costly setbacks later on.

Trust Granted

Provide evidence that products are cloud-native edge-ready and ensures products work seamlessly together.

https://www.linaro.org/