Linaro Connect
MADRID 2024

ONELab
Powered by Linaro

Linaro Automation Appliance (LAA*) w/ DUT

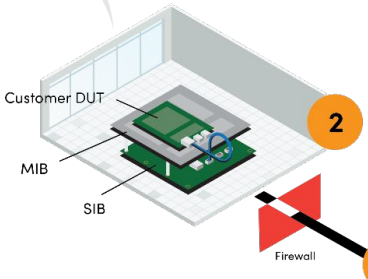
* LAA Components include the Linaro Standard I/F Board (SIB), the Mechanical I/F Board (MIB) and the LAVA Dispatcher software

A Fully Integrated Embedded Device Testing Harness

- Status Indicators (OLED Panel / LED's)
  - OLED: MacID, IP Address, Identifier Beacon, Customizable
  - LEDs: Pwr, USB, Eth, DUT, NVME status, other
- 2xEthernet (RJ45)
  - DUT connection, Cloud Connection
- 3xUSB-C 2.0
  - OTG storage drive emulation
  - Serial access
  - ADB
  - Power delivery
- 4 Port USB 3.0 Hub - individually switchable
- Thermocouple for measuring DUT temperature
- Onboard NVME for shared Host/DUT storage
- Standardized 96-pin Connector to support customizable MIB's
  - Multi-use Expansion GPIO Pins (I2C, UART/Console, SPI)
- Single source Host and DUT power through POE+
  - Power distribution using Solid State regulator banks
  - Selectable Voltage support (12v, 5v, 3v3, 1v8)
    - Individually Switched programmable Power Rails

Comprehensive Assessment Review Checklist to enable the DUT in ONELab

- Review compliance focus (Firmware, OS Compatibility, Workload Tests, Rollback Tests)
- Review DUT H/W Pwr, Network, Connectivity, IO for compatibility
- Identify automation plan (includes MIB selection)
- Enable device control for your DUT



Onsite setup

- Receive your LAA and plug in your pre-validated DUT

Pull Results down any time or receive alerts all from your desk

Connect securely to ONELab Lab supporting the upload of latest firmware and enabling DUT tests to begin

ONELab

For more information on ONELab Scan the QR code

Automation enabled by Linaro LAVA Managed Service (LMS)

Tests runs triggered by:

Target OS updates	Compliance test suite updates	Firmware Updates
Yocto OpenSUSE REL	SystemReady IR ACS Parsec test suites	Upstream changes BSP supplier/ Feature updates Defect/CVE updates