

WELMA YOCTO LINUX



Out-of-the-box, secure & flexible Linux to save development time and build long lasting products

Based on Yocto

OTA update

Production-ready

Cybersecurity



We are convinced that Yocto is the best fit for equipment manufacturers' Linux developments. As it is complex to configure, we developed Welma Yocto Linux, an off-the-shelf, secure, and reliable Linux distribution and DevOps platform. **Welma condenses +20 years of Linux expertise to simplify device makers' development and maintenance activities.**

Compatible with your hardware



i.MX8 & 9



STM32MP1 & 2



X86 - 64



Genio 700



Raspberry Pi 3 & 4



Free trial available

yocto
PROJECT

Welma covers 80% of equipment manufacturers' needs in terms of Linux operating system & platforming and **lets you focus on the last 20% for your customizations.**

- ✓ Base distribution
- ✓ Platforming-ready
- ✓ Maintenance-ready (OTA update, CVE scanning...)
- ✓ Secure by design
- ✓ Full source code, documentation and support

Features

Yocto reference design

- Base distribution (clean structured layers, GPLv3, dev & prod class variant) ✓
- BSP pre-integration ✓
- Business application launcher & watchdog ✓
- Qt 5&6 support ✓
- Yocto images examples (headless & adv graphics) ✓
- Technical documentation ✓
- Platforming-ready to support product line dev ✓

Long-term maintenance enabler

- Full continuous integration based on Gitlab ✓
- Automated testing with [Pluma](#) ✓
- Test bench ✓
- SBOM & licenses digest ✓

OTA update

- A/B partitioning ✓
- Kernel, root FS, application FS, user data FS ✓
- Filesystem and application partition generation ✓
- SWUpdate support ✓
- Mender.io support ✓
- System and application update support ✓

Secure by design

- Automatic CVE checking with [CVE Scan](#) ✓
- OS & file system authenticity (secure boot, etc) ✓
- Secure storage ✓
- Secure update ✓
- Pre-certification ✓



Compare Welma Yocto Linux with other Linux distributions

[Read the comparison](#)