



Carrier Grade eXpress (CGX) 5.0

15th generation Carrier Grade Linux



Highlights

- Professionally supported Linux baseline to create a wide range of embedded products
- Support all major CPU architectures (x86, ARM, PPC, MIPS and RISC-V)
- Yocto 5.0 compatible
- Linux 6.6 LTS kernel
- GCC 13 and CLANG 18 toolchain

1

Secure By Default configuration: CVE management with OpenSCAP scanner and Yocto CVE-Checker, SBOM generation with Software Package Data Exchange (SPDX)



2

Enabled offline/runtime kernel integrity management with Secure Boot, SELinux, Linux IMA/EVM, ASLR/KASLR



3

Secure software update via The Update Framework (TUF) or Over-The-Air (OTA), seamless upgrade to MVEdge



4

Enhanced Linux Virtualization support for Docker, Linux Containers (LXC), Kernel-based Virtual Machine (KVM) and Kubernetes (Container Orchestration)



5

Out-of-the-box experience with pre-tested board support packages (BSPs) integrated with Yocto Core



6

Enabled connection with next-generation networks like Bluetooth Low Energy (BLE), 4G/LTE, Zigbee, LoRA, CANbus, Modbus, and Profibus



7

Intelligent gateway for IoT, Robotics and Industrial applications with top-end graphics (Flutter, Qt6, Wayland) and pre-enabled AI/ML capabilities



Carrier Grade Express

MontaVista Support & Maintenance

MontaVista Zone Content Server

DEVELOPMENT

YOCTO GNU GCC COMPILER

IoT Graphics Virtualization Data Plane Security

Profiles

Board Support Package

Open Embded Userland

Linux LTS Kernel

SCAN ME



SCAN ME



Get in touch today!

Your trusted partner in embedded Linux



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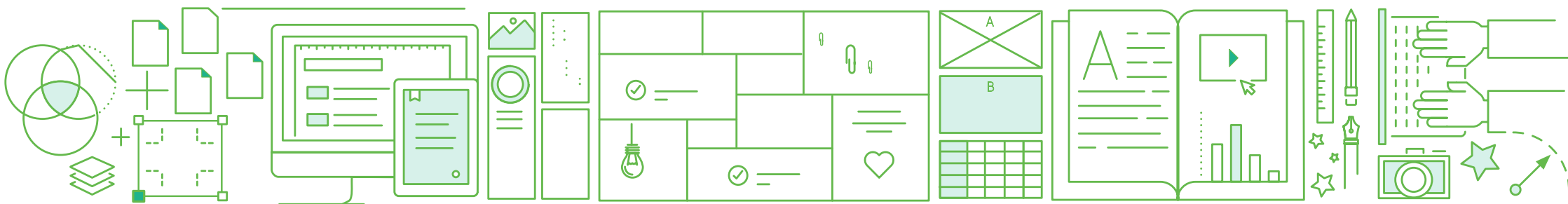
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About MontaVista Software

MontaVista Software is a leader in embedded Linux commercialization. For more than 20 years, MontaVista has been helping embedded developers get the most out of open source by adding commercial quality, integration, hardware enablement, expert support, and the resources of the MontaVista development community.

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