Peridio

The Operating System For Physical AI

NVIDIA Preferred Partner

Peridio Takes NVIDIA® Jetson™ Deployments From Prototype To Production At Scale

INDUSTRIES

- Robotics
- Computer vision
- Industrial automation
- Smart Agriculture

CAPABILITIES

- AI-optimized Yocto Linux for Jetson (Avocado OS)
- Pre-integrated BSPs with CUDA and TensorRT
- OTA updates and fleet management at scale
- Application-first deployment workflows
- Long-term security support and compliance

JETSON PLATFORMS SUPPORTED

- AGX Orin
- Orin NX
- Orin Nano
- Thor

PRODUCT LINE - KEY BENEFITS

- Deploy production-ready Jetson systems in days, not months
- Maintain secure, updatable devices across the full lifecycle

SOLUTION TAGS

Application Dev | BSP/Driver | Computer Vision | OTA & Fleet Mgmt | Robotics | Security | Yocto

LEARN MORE

www.peridio.com
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PRODUCTION AI AT SCALE, POWERED BY NVIDIA® JETSON™

Physical AI is rapidly moving from development to real-world deployment. NVIDIA® Jetson™ provides the high-performance compute, software, and AI ecosystem that power modern edge AI across robotics, computer vision, and industrial systems.

As these applications scale, teams require a reliable way to deploy, secure, and manage devices in production. Avocado OS provides that production-ready foundation—extending Jetson into scalable, real-world deployments.

A unified platform so teams build AI applications, not infrastructure.

Avocado OS combines embedded Linux, secure device management, and over-the-air updates into a single production-ready platform for NVIDIA Jetson. One system replaces custom OS pipelines and fragmented tooling — giving teams faster time to production, higher reliability, and scalable lifecycle management across every device they ship.

BUILT FOR NVIDIA® JETSON™

Peridio is an NVIDIA Preferred Partner, purpose-built to extend Jetson from development into production. Avocado OS integrates directly with JetPack, CUDA, and TensorRT, giving customers:

- A production-ready Linux platform optimized for Jetson
- Pre-integrated BSPs across the Jetson family
- Secure-by-default infrastructure: secure boot, encryption, and update integrity
- Atomic OTA updates with automatic rollback
- Fleet-wide visibility and lifecycle management

The result: **faster time to production, access to the latest Jetson capabilities, and a software foundation aligned to NVIDIA's roadmap.**

AVOCADO OS — THE OPERATING SYSTEM FOR PHYSICAL AI

Avocado OS is a production-grade platform built specifically for NVIDIA Jetson. It combines an immutable Yocto-based Linux, secure boot and full-disk encryption, atomic OTA updates with rollback, and fleet-wide device management into a single system — pre-integrated with JetPack, CUDA, and TensorRT so teams **deploy on Jetson without building custom OS infrastructure.**

From first device to fleet-scale operations, Avocado OS delivers secure, immutable architecture, reliable updates, built-in fleet visibility, and long-term support for production deployments. Engineers focus on the application, Avocado OS handles everything underneath.

Supported Jetson platforms: AGX ORIN | ORIN NX | ORIN NANO | THOR

Deploy faster on NVIDIA Jetson with production-ready infrastructure.
Learn more at https://www.peridio.com