



Rolling Stock Manufacturing & Maintenance

NEXCOM

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ATC 3760
Powered by
NVIDIA® Jetson Thor™

aROK 8030
Intel® Core™ Ultra
Processor (Series 4)

The Honest Engineer's AI Upgrade

AI Rugged Computers for Smart Railway



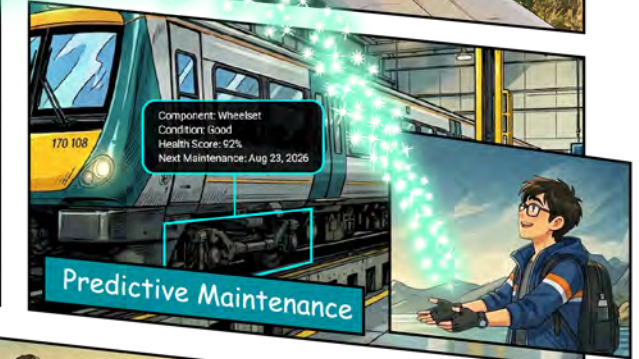
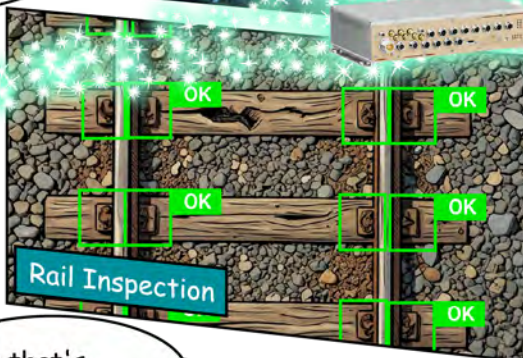
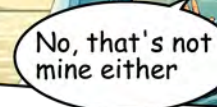
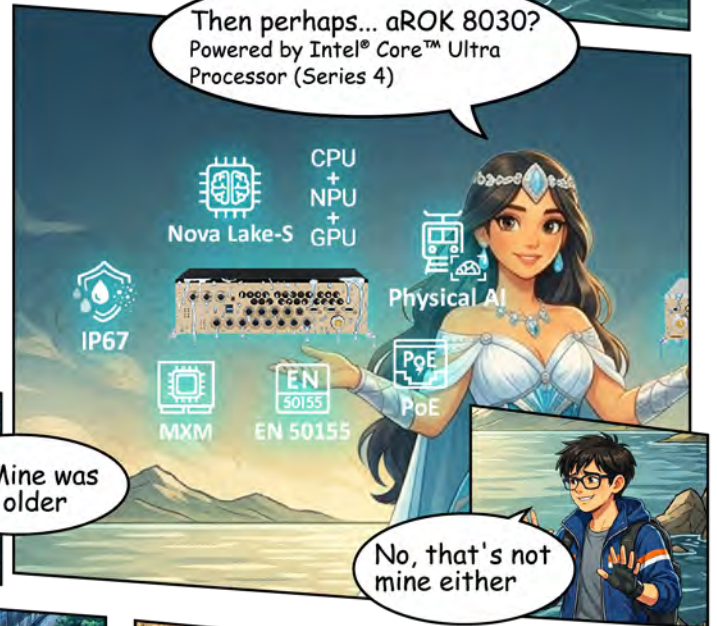
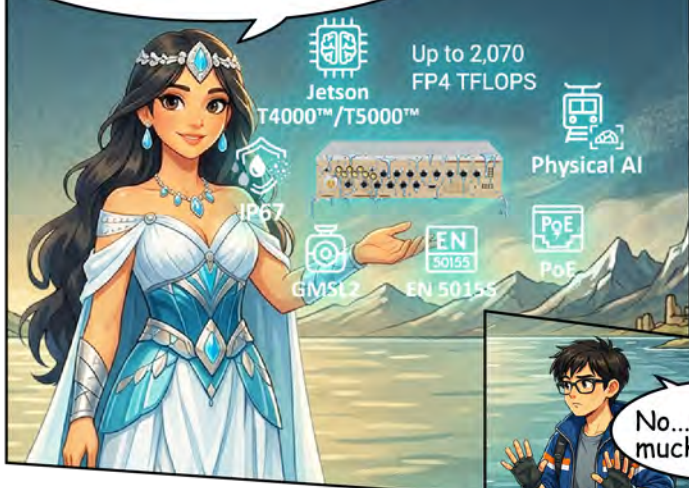
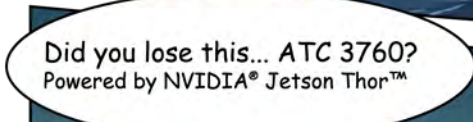
Physical AI is changing railway operations... But my computer hasn't caught up.

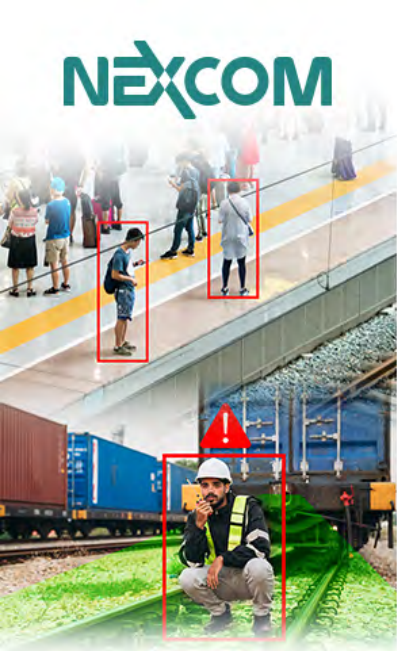
This old computer can't meet railway demands...

Non-AI Platform Evaluation	
Obstacle Detection  ⚠️ Not Supported	Pantograph Monitoring  ⚠️ Low Accuracy
Rail Inspection  ⚠️ Low Detection	Predictive Maintenance  ⚠️ Low Efficiency

Oh no!! My railway computer!

I can't finish today's inspection without it!





Edge AI



Mobile NVR



Wireless Gateway



Passenger Information System



Visit NEXCOM at InnoTrans 2026 to see AI in Mobility in action!



Ready for Your AI Upgrade?

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Sep 22–25, 2026



Hall 4.1 | Booth 615



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NEXCOM Unveils Physical AI Railway Computing Platforms Powered by NVIDIA® Jetson Thor™ and Intel® Architectures

NEXCOM has expanded its **Physical AI portfolio** with a new generation of edge inference platforms designed to accelerate AI deployment across modern railway infrastructure. Combining NVIDIA Jetson Thor and Intel-based architectures, the solutions enable scalable AI processing from onboard vehicles to stations and wayside systems.

The ATC 3760, an IP67-rated railway computer powered by NVIDIA Jetson Thor, and the aROK 8030, an IP67-rated platform based on Intel® Nova Lake-S with MXM GPU expansion, deliver rugged, high-performance AI computing for rail applications. When deployed with optional AI cameras, LiDAR, and other sensors, the platforms enable Physical AI applications that bridge real-world sensing and real-time edge inference, enhancing railway safety, operational efficiency, and passenger experience.

Visit NEXCOM at Booth #615 during InnoTrans 2026 to learn more about its latest Physical AI solutions for rail transportation.

High Performance Edge AI Computer Powered by NVIDIA® Jetson Thor™

ATC 3760



- Jetson T4000™/T5000™, up to 1,200/2,070 FP4 TFLOPS AI performance with 128GB memory
- 8 × PoE+ (120W), 1 × 10GbE, and 1 × 2.5GbE LAN (model dependent)
- 8 × GMSL2, 1 × 10GbE, and 3 × 2.5GbE LAN (model dependent)
- Optional 5G and Wi-Fi 6 support



Intel® Core™ Ultra Processor (Series 4) with AI Inference Accelerator

aROK 8030



- Up to 138 TOPS AI performance from the CPU
- 8 × PoE+ (120W), 1 × 10GbE, and 1 × 2.5GbE LAN
- Supports NVIDIA RTX™ 2000/3500/5000 Ada Generation MXM GPUs
- Optional 5G and Wi-Fi 6 support
- Multi-wireless support with up to 4 WWAN modules and dual SIM per modem (model dependent)

