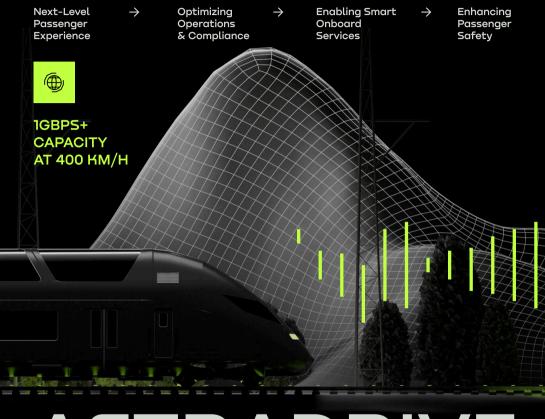
Reliable Wireless Connectivity For Railways Is No Longer Optional



ASTRADRIVE

Cuts Operational Costs While Ensuring Full Coverage

Achieves widearea connectivity with 10 km per base station

Self-Optimizing, Fail-Safe Network

ASTRADRIVE technology maintains performance even with multiple trackside equipment failures

End-To-End Integrated Solution

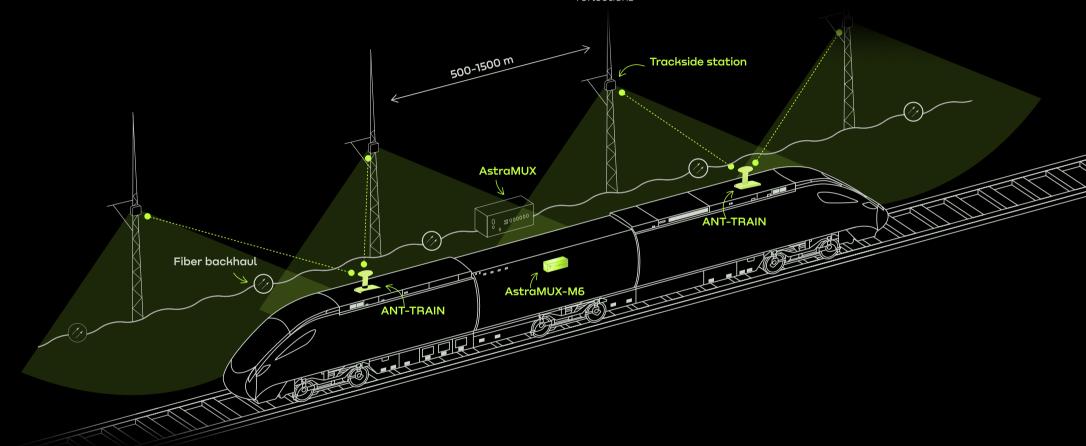
With perfectly integrated components designed to work in harmony

Multi-Channel Connectivity To Reach 1 Gbps Throughput

Each train establishes 10+ parallel communication channels, ensuring high-speed, fail-safe, and resilient connectivity throughout the journey

Precision-Engineered For High-Speed Rail

We design specialized antennas and radio systems to counteract challenges at high speeds, effectively managing Doppler effect, roaming complexities, and signal reflections



Intelligent Network Oversight & Optimization

AstraMUX switch continuously monitors the entire network, ensuring intelligent traffic balancing, proactive issue detection, and real-time resolution

End-To-End Vendor Support

Astrawireless provides comprehensive network design and optimization, ensuring seamless integration of components, efficient resource utilization, and cost-effective scalability

ANT-TRAIN

Antenna system providing continuous wireless connectivity between trains and trackside infrastructure, designed to maintain a stable signal on both straight and curved tracks



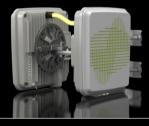
AstraMUX-M6

Traffic management switch balancing communication between train-mounted units and ensuring smooth transitions between base stations



Trackside Station

Dedicated railway communication unit, ensuring seamless train-to-ground connectivity, reliable coverage across various track layouts, and simplified installation



AstraMUX-GE4-S2

Industrial switch optimizing mobile network performance, enabling traffic balancing and seamless switching between moving and fixed infrastructure



Terminal Unit

Onboard communication module enabling highspeed, carrier-grade data transmission between moving trains and ground infrastructure, ensuring seamless traffic switching and aggregation



AstraMUX-GE8

High-capacity rack-mount switch for network aggregation and centralized traffic management, supporting multiple switches and base stations to ensure a stable, scalable backhaul infrastructure for rail and mobile networks





