![Proxim Wireless logo] PROXIM wireless
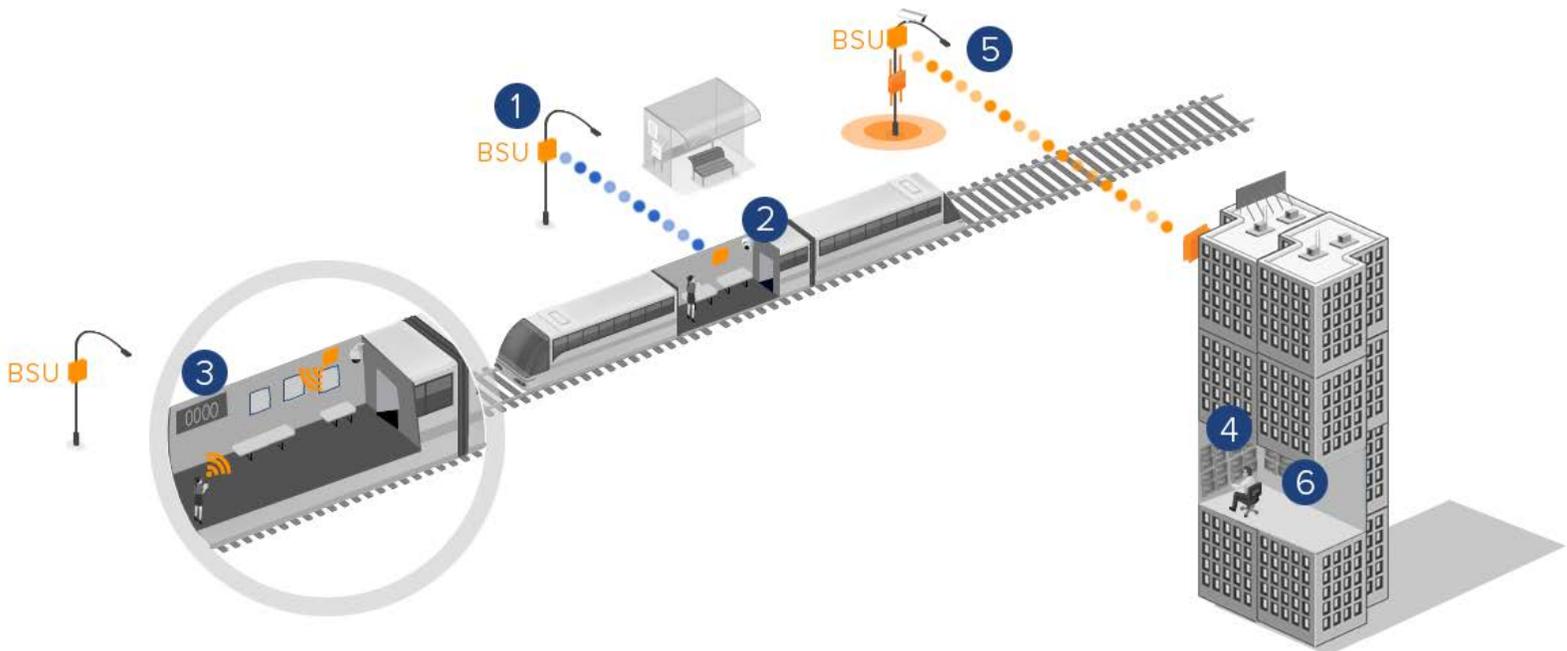Performance Matters. Proxim Delivers.®

Proxim Wireless for Trains and Metro

A growing population has not only come to expect WiFi connectivity in their office and home, they have also come to expect the same high speed, reliable WiFi while in stations and on trains or metros.

Furthermore, with increased complexity and the growing number of train and metro applications, networking teams are demanding unified solutions supporting the entire spectrum of onboard WiFi & surveillance applications, Passenger Information System (PIS), SCADA and Vehicle Control Systems.

Proxim Wireless has got you covered

1 Train to Trackside Connectivity   2 Onboard WiFi and Surveillance   3 PIS   4 Vehicle Control

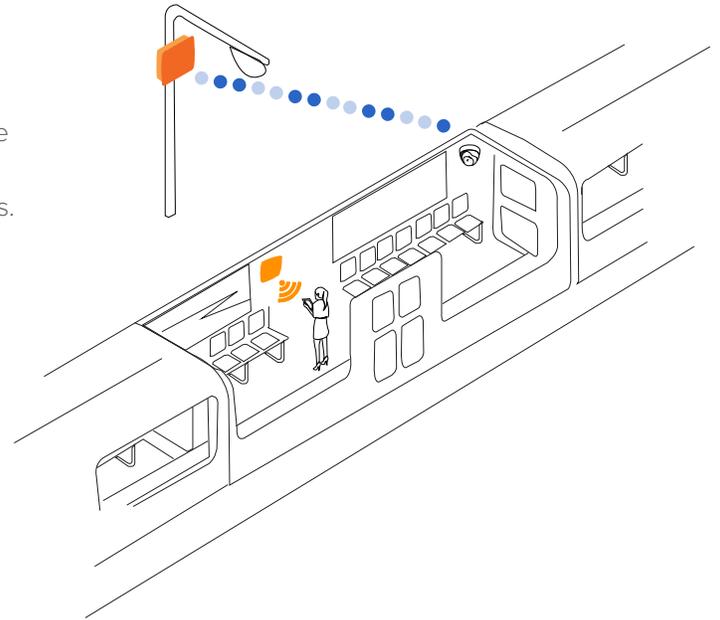5 Station Surveillance and WiFi   6 Digital Marketing and Analytics

Proxim Wireless Solutions

Train to Trackside Applications

Taking advantage of Proxim's advanced mobility technology – Proxim FastConnect™, Tsunami® base stations installed trackside are able to establish reliable and continuous connectivity with Tsunami® subscriber stations installed on trains or metro vehicles.

Train and Metro teams can run a wide variety of bandwidth-intensive and delay sensitive train to trackside applications:

- Onboard WiFi and Surveillance
- Passenger Information Systems
- Vehicle Control Systems

In-station Applications

- ### In-station WiFi
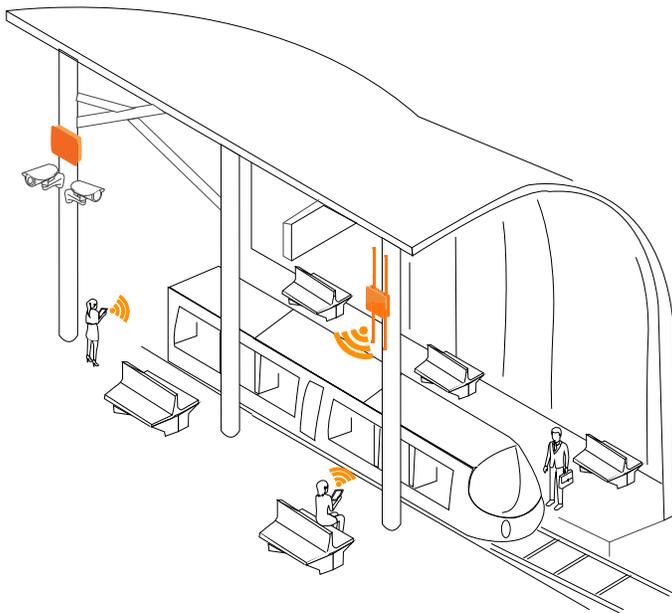
  ORiNOCO® Access Points (APs) offer easy WiFi access. Proxim offers both indoor APs as well as ruggedized APs to support outdoor WiFi coverage.

- ### Station Surveillance

  Cameras covering large areas or long distances at various properties such as station platforms and railway yards can be cost-effectively connected via Tsunami® multipoint solutions.

- ### Connectivity for Management Systems

  Control rooms and station centers also require connectivity for applications such as Passenger Address Systems, Vehicle information and analytics. Proxim supports these critical applications with a combination of ORiNOCO® gigabit .11ac access points and Tsunami® point to point and multipoint solutions.

Why Proxim for Your Organization

> "The biggest reason for selecting Proxim's wireless solution was the mobility feature. Proxim reliably connects the entire set of applications including many mission critical ones across the distributed sites, while at the same time provides "on the move" internet access to approximately 700 passengers daily."

metro Ligero

Seamless Connectivity for Train to Trackside Applications

Proxim FastConnect™

Delivering wireless broadband for trains, vehicles and metros on the move, with unparalleled throughput of 600 Mbps, Proxim FastConnect™ supports session persistence through extremely fast handoffs, and the buffering of data during the actual hand off period. This means an application will experience zero packet loss during a hand over from one base station unit to the next, a critical feature for applications such as onboard video security, or VoIP sessions.

High Availability and Reliable Connectivity

Proxim ClearConnect™

Ensuring Tsunami® radios operate even in the most hostile RF conditions where other wireless technologies simply fail to perform, Proxim ClearConnect™ offers a host of adaptive features including Dynamic Channel Selection, Satellite Density, Beam Steering and many more to ensure high spectrum efficiency with minimal error rates.

WORP®

Proxim has invested over fifteen years of continuous development and wireless expertise to create our Wireless Outdoor Routing Protocol known as WORP®. WORP® is a reliable, secure, and highly efficient protocol that guarantees delivery and optimal performance with Quality of Service controls, supporting quad play applications on a single wireless network such as mobility, video surveillance, VOIP and other delay sensitive multimedia applications. WORP® also helps ISPs control bandwidth and differentiate service offerings with the ability to enforce SLAs. Learn more about the WORP® advantage here.

Provide Easy Access WiFi and Gain Deep Insight into your Passengers

With ORiNOCO® access points associated with HotSpot cloud server such as Purple WiFi, passengers can login with ease using Facebook, Twitter, Instagram, or a short form, allowing the station to collect key demographic data, and contact details. This means that passengers stay connected with work or other commitments and at the same time the station gains valuable social engagement on a digital platform.

Enable Increased Spend

ORiNOCO® access points with Purple WiFi integration also creates an engagement tool for operators, concourse retailers and restaurants in stations to promote discounts, exclusive offers and, most importantly, to direct them to relevant landing pages to book tickets, find coupons, and promote continued use and engagement while they wait.

E-shots and direct engagement via social media encourages passengers to rebook directly with travel operators. The rich analytical data collected by the WiFi technology means stations learn more about travel habits and adjust services accordingly.

Trusted by Customers Around the World