Construction sites require quick and flexible connectivity even before the start of a project and the use of multimedia, bandwidth intensive applications, such as Voice over IP, perimeter surveillance, document sharing and more, drives the demand for increased bandwidth. Proxim Wireless Outdoor solutions enable construction companies to instantly set up reliable networks that can address all of their site connectivity requirements.
Rapid Connectivity for Temporary Sites and Portable Cabins

Increasingly construction site offices and management are reliant on access to their central databases and systems and communications with personnel on and off site. They therefore require fast and secure connectivity from the start of the project build. Traditional fixed line solutions can rarely meet this time-based objective, resulting in costly delays between the project start and connection dates.

By leveraging Proxim’s Tsunami® and outdoor ORiNOCO® Solutions, construction companies can implement fast and secure connectivity from day one of the site build. A wireless networking solution delivers a reliable temporary connection, powering the site to full speed right from the start and giving remote sites immediate access to their centralized back-office systems and applications.

CCTV Monitoring and Management

With a plethora of expensive equipment and vehicles in a construction site that are often left untended and secluded site overnight, construction sites need to employ Video Security systems to help protect against theft and vandalism. Deploying wireless technologies to support these systems enables remote monitoring and management of Surveillance cameras equipment on site, without the need to install a fixed line.

WiFi for Voice and Email Communication or PBX Extension

For communication purposes traditional solutions include telephones, walkie talkie and emails via expensive and often unreliable cellular technologies such as 4G/LTE in remote construction sites. WiFi on the other hand provide high capacity and high QoS for these applications. With WiFi, site-personnel can now use just their smart phones for all sorts of communications, thereby eliminating capital equipment costs and recurring cellular subscription expenditures for communication. Construction IT teams can also leverage these wireless networks to support their PBX phones.

Failover / Primary On-Site Connectivity Wireless

Wireless solutions provide a powerful failover solution for construction sites, ensuring there is a connection to central databases and systems if and when the fixed line fails. Many organizations typically use wireless devices for temporary connectivity initially, while they wait for the fixed line to be installed, and then continue to use it for failover afterwards – maximizing the return on their investment.
Recommended Product Line

**Tsunami® 10100 Series**
Very High Throughput
For Critical and Demanding Applications
866 Mbps | 4.9 – 5.9 GHz
Up to 28 dBm (dual chain)

**Tsunami® 800 Series**
Compact and Robust
Full Featured Cost Effective Platform for Medium Bandwidth Applications
10 to 100 Mbps | 4.9 (except FCC) – 6.4 GHz
Up to 26 dBm (Dual chain)

**Tsunami® XP-10100 Series**
Point-to-Multipoint Wireless Solution with built-in Access Point
PtMP: 866 Mbps | 4.9 – 5.9 GHz | Up to 28 dBm
Access: 300 Mbps | 2.4 GHz | Up to 26 dBm

**ORiNOCO® AP-9100R**
Outdoor 802.11ac Access Point
866 + 300 Mbps | 2.4 GHz, 5 GHz
Up to 28 dBm (Triple chain)
Company Profile


Proxim Wireless is a pioneer and global leader in advanced Wi-Fi, point to point, and point to multipoint outdoor wireless systems that are purpose built for mission critical and high availability communications. With over 30 years of wireless experience, Proxim is recognized for its unparalleled reliability, superior performance and drive for innovation.

Products and Markets

Marketed under the ORiNOCO® and Tsunami® brands, Proxim provides a comprehensive product line for a wide variety of market segments including enterprises, service providers, carriers, governments and municipalities, Wi-Fi Operators/Hot spot Operators and other organizations that need high performance, secure, scalable wireless solutions.

Go to Market

Proxim serves customers through a global network of distributors, value-added resellers, system integrators and original equipment manufacturers. Our strong internal sales force also engages in direct-touch, consultative selling with major customers regardless of whether fulfillment is direct or via a channel partner. Our experienced system engineering team is available to provide professional services to both our channel partners and end customers.