Tsunami® 10250 with Proxim Smart**Connect**™

Interference Robustness

More Spectrum

More Megabits per Second
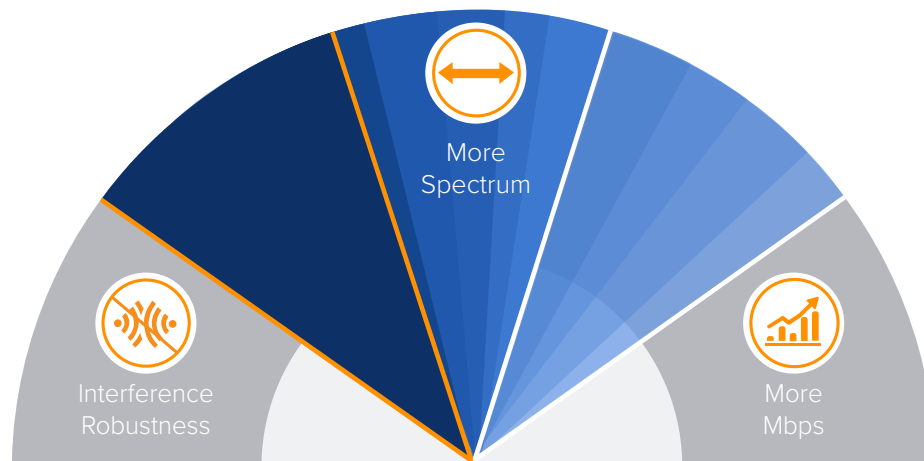
IP67

Range up to 10 miles (16 km)

2 Year Warranty

FOR HIGH DENSITY AND BANDWIDTH INTENSIVE WIRELESS APPLICATIONS

The Tsunami® MP-10250-BSX is the next generation intelligent base station that employs Proxim SmartConnect™ technology innovation – Proxim's beam steering (BeamX™) antenna and scan radio (Proxim SmartScan™) - on the very high throughput, high power, robust and especially reliable Tsunami® 10000 platform. The new improvements result in an extremely robust solution that delivers more Mbps, even in the face of interference and opens up additional 5GHz spectrum.

KEY TECHNOLOGY

Featured in every Tsunami® 10250, Proxim SmartConnect™ is designed to deliver high performance in high density environments and under challenging interference conditions.

Proxim Smart**Connect**™
Intelligent Interference Avoidance Technology

Whats Included

Proxim SmartScan™
- Performs background analysis of the full RF spectrum and creates channel availability tables to allow an immediate switch to a free channel in case of weather radar detection or heavy interference
- By removing the initial transmission delay, SmartScan makes DFS channel more efficient
- It also opens access to the 5.600–5.650 GHz sub-band, and enables effective use of up to 355 MHz of DFS spectrum

BeamX™ Antenna
- Smart antenna delivering a 17° beam that electronically steers itself to the remote subscriber unit over 60° sector, to limit interferences from nearby RF sources
- By improving the radio Signal to Noise Ratio (SNR), BeamX enables higher modulations and thus improves throughput

Performance Advantages

Interference Robustness
Proxim SmartConnect™ features Proxim's proprietary Beam steering technology (BeamX) that steers the antenna main lobe towards the remote end of the link. This results in limiting interferences from nearby RF sources and thus providing much better interference robustness than a standard sector antenna.

More Spectrum
Proxim SmartConnect™ technology includes Proxim SmartScan™, a dedicated scan radio that continuously monitors surrounding RF environments. With this ability the system can immediately switch to a free channel in the event of weather radar detection or heavy interference making the DFS channels more useable. It also opens access to the 5.600-5.650 GHz sub-band, and in total enables effective use of up to an additional 355 MHz of DFS spectrum.
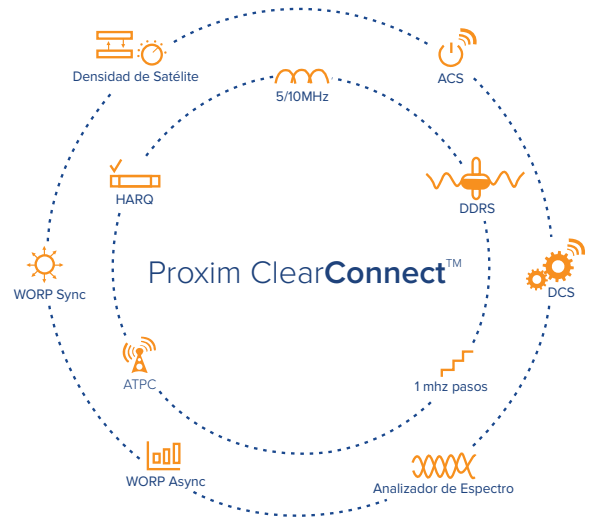
More Megabits per Second
By using a narrower beam width, BeamX antenna improves the radio SNR level by up to 6 dB when compared to a traditional 60 degree sector antenna. This allows the use of higher modulation and hence higher throughput and system performance.

MP-10250 INCLUDES THE ENTIRE TSUNAMI® FEATURE SET

Proxim ClearConnect™

Helps ensure Tsunami® radios perform even in the most RF hostile conditions where other standard wireless technologies simply fail to perform. It 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.

Proxim ClearConnect™

- Densidad de Satélite
- 5/10MHz
- ACS
- HARQ
- DDRS
- WORP Sync
- DCS
- ATPC
- 1 mhz pasos
- WORP Async
- Analizador de Espectro

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.

WORP®
WIRELESS OUTDOOR ROUTER PROTOCOL

- SURVEILLANCE
- ITS
- MOBILITY
- BACKHAUL
- EFFICIENCY
- SCALABILITY
- SECURITY
- QoS

RECOMMENDED APPLICATIONS

URBAN DEPLOYMENT

KEY ADVANTAGES

- Dynamically adapts to changing condition
- Performs in overcrowded RF environment
- Finds the best reflection path in urban canyon

VIDEO SURVEILLANCE

KEY ADVANTAGES

- Enhances link stability
- No cut-off time in DFS bands
- Supports more cameras per Base Station

INTERNET SERVICE PROVIDER

KEY ADVANTAGES

- More available spectrum
- More Mbps
- Higher interference robustness