

## Wireless Solutions for Elevators

### Proxim Wireless Tsunami<sup>®</sup> QB-835: A Cost-effective Solution for Connectivity in Elevators

#### Key Benefits of Tsunami<sup>®</sup> QB-835

##### High Availability Surveillance

The QB<sup>®</sup> 835 wireless systems leverage Proxim's advanced suite of technologies – WORP<sup>®</sup>, Proxim ClearConnect<sup>™</sup> and Proxim FastConnect<sup>™</sup> to support up to 99.999% availability, enabling virtually non-stop monitoring and surveillance via cameras installed in elevators.

##### Enhance Guest Experience with WiFi

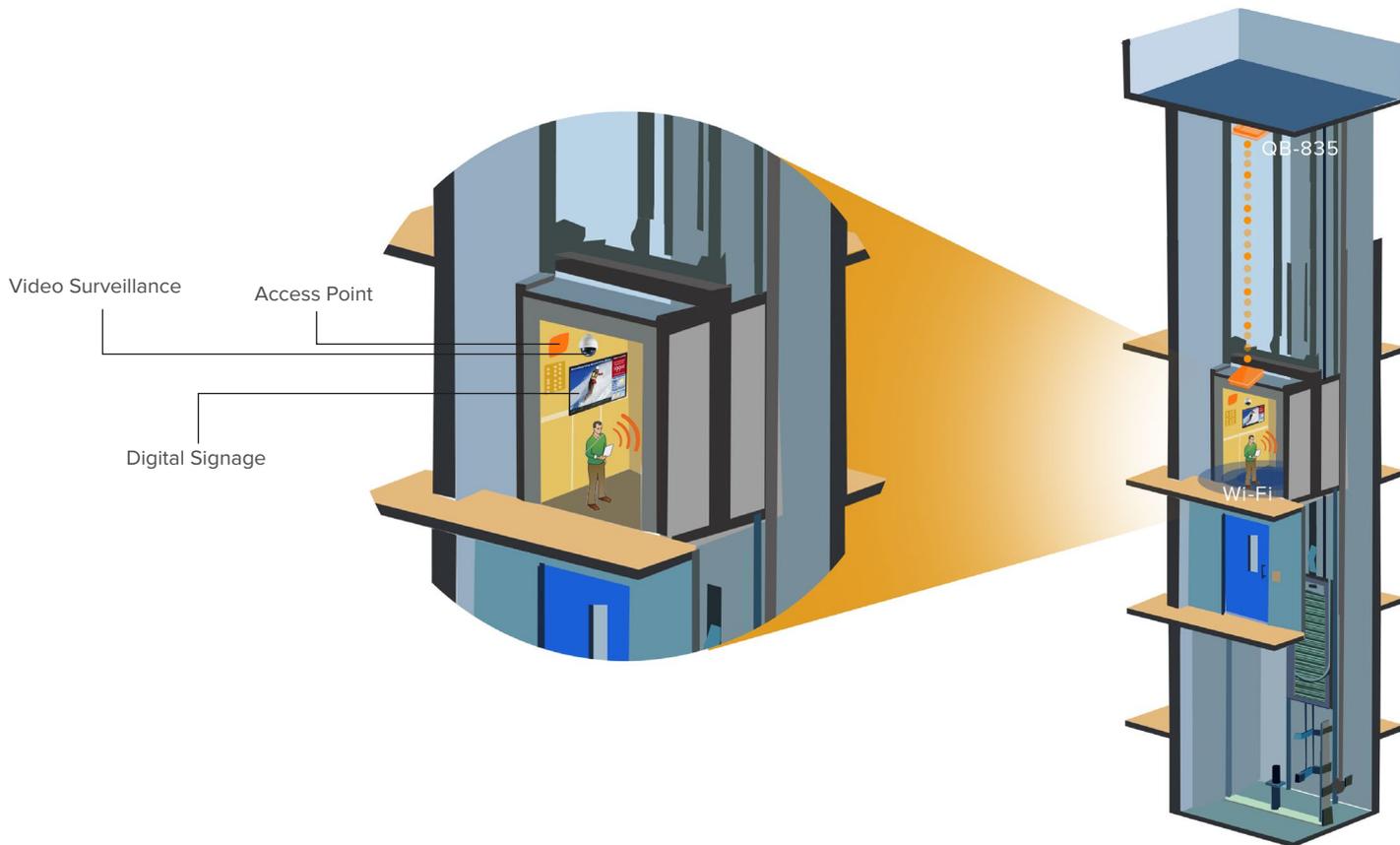
Guests and occupants expect high capacity WiFi throughout the premise. This includes the ability to continue a 'whatsapp' call or mobile session even when they are inside an elevator. Any drop in WiFi access at any point in a premise, is not received well and impacts satisfaction levels. Enterprise grade ORINOCO<sup>®</sup> access points can be installed in elevators to provide reliable WiFi with easy social sign in.

##### Drive Revenue with Marketing Promotions

Notify your guests of all the latest events with display signage in elevators. Elevators are an often ignored real estate for promoting and engaging with your guests. By connecting the display signage to the network, marketing teams can provide latest promotions and sales discounts. Additionally, marketing teams can take advantage of ORINOCO<sup>®</sup> access points with Purple WiFi platform to deliver customized sales promotions and marketing ads in mobile devices of guests.

## Current Challenges with Connectivity in Elevators

Traditional solutions include high tension Ethernet cables from either top or bottom of the elevator shafts. The biggest drawback of this solution is cable severing. It is common for cables to snap due to wear and tear. In addition to the cost and constant maintenance of the high tension cables, the connection downtime can result in elevators being put out of service to mitigate any loss of monitoring, leading to disgruntled guests and occupants.



Elevator Deployment

## What is Proxim’s Wireless Solution?

To address these challenges, Proxim Wireless offers the Tsunami® QB-835 ultra compact point to point link delivering up to 50 Mbps throughput. As shown in the above deployment, the installation involves an end point at the top of the elevator shaft and the other end point on the elevator car. The point to point link supports the communication between the main network and the elevator car, covering the entire shaft. In the elevator car, a Proxim WiFi Access Point connecting to the End Point services the guests and also can connect the display board to the network.

## Common Questions and Concerns

Can the solution support delay sensitive applications?

QuickBridge products leverage Proxim's WORP®, a highly evolved MAC layer protocol designed to deliver voice, video and data applications. These products are deployed across the world for sensitive applications such as video surveillance and VoIP. For more information please visit our [case studies page](#).

As elevator cars move up and down an elevator shaft, the signal from antenna might disrupt and even fade at the farthest point. The Tsunami® series of products are field tested and currently used in various mobile WiFi Solutions such as on board Tram WiFi, Bus WiFi etc. Mobility is a common requirement in these applications with speeds and distances much higher than that of elevator cars traversing vertically. Also the range of our products is of a few miles, which is much higher than the length of a shaft.

How do I monitor the network?

One can monitor the Proxim network via the ProximVision® Advanced Network monitoring and controller solution, or if desired by accessing the Web GUI. In the case one is already using a network management solution our products support SMTP protocol making it compatible with other NMS and controllers.

Do you have solutions for my entire hotel infrastructure?

Yes, Proxim Wireless offers a comprehensive solution set for the hotel industry. We offer point to point and multipoint solutions as well as outdoor access points for areas such as swimming pools, golf courses and benches. We also offer indoor access points for in-room and lobby WiFi coverage. Our entire network can be monitored and controlled via our ProximVision® Advanced Hybrid Network Controller. Our access points also support advanced features as Purple WiFi to leverage your WiFi for improved branding efforts and referral marketing of your properties with your guests.

## About Proxim Wireless.

Proxim Wireless is a pioneer and global leader in advanced WiFi, 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.