

A SMARTER IT INFRASTRUCTURE
FOR HOSPITALITY



»»» Solutions for Hospitality

XRoads Networks

Over the past decade the hospitality industry has changed. Today guests demand real-time access to information and entertainment services. Much if not all of these services are delivered over the Internet. XRoads' EdgeXOS platforms are designed to ensure fast and reliable connectivity to the Internet in order to ensure a quality experience for your returning guests.

The EdgeXOS platforms are designed as a long-term investment in a properties information infrastructure. As such, these appliances have a long life span (with a MTBF of over five years) and build-in high availability features which ensure 24/7 uptime, even in the event of a significant power or hardware failure.

With its modular design, the EdgeXOS platform can easily be upgraded as future needs dictate new innovations in the functionality of the platform. XRoads' offers firmware upgrades, advanced hardware replacement and extended warranty service to maximize your return on investment.

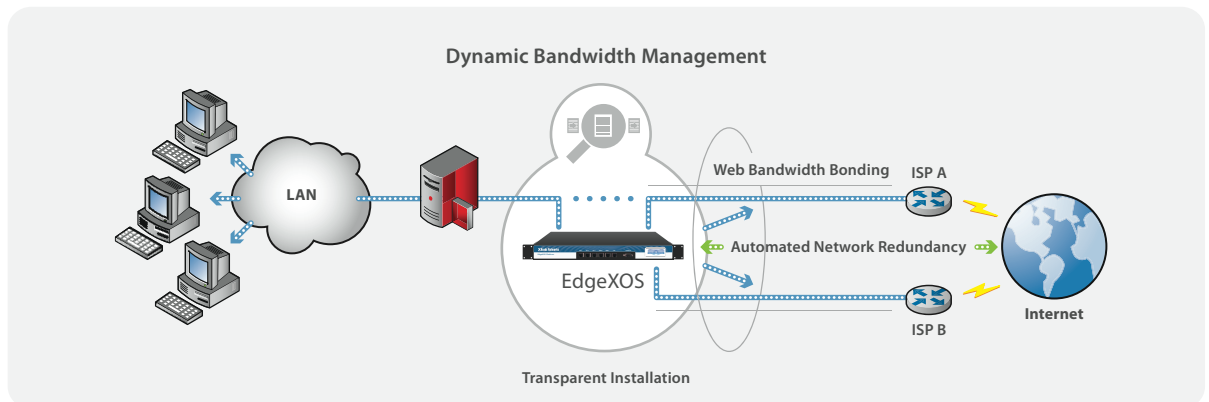
DELIVERING FAST AND RELIABLE INFORMATION AND ENTERTAINMENT SERVICES

The typical hotel guest today requires Internet access for both business and pleasure. Guests require access to cloud-based business services and connectivity back to their home office. Guests also require the latest in online gaming and other forms of cloud-based entertainment. Additionally many hotels are offering various entertainment and guest related services which require fast and reliable connectivity to the Internet.

XRoads' breaks down these in to three separate hospitality guests, each of which requires 24/7 fast and reliable Internet connectivity:

- The business traveler who needs to be able to easily connect their mobile computing device to the Internet in order to access cloud-based applications and/or establish remote VPN connectivity to mission critical services.
- The casual traveler who typically has higher entertainment standards and is more sensitive to poor service delivery. These guests utilize online entertainment and steaming video which requires uninterrupted connectivity.
- The convention traveler using in-house conference rooms and requires Internet connectivity for their attendees. Presenters and attendees may require access to the cloud in order to download files, provide demonstrations, or upload documents.

The common theme for each of these guests is the requirement of quick and available network connectivity, specifically to the Internet and cloud-based services. Internet access has become a core requirement for every guest which arrives at your property.



This diagram demonstrates the typical installation and placement of the EdgeXOS platform within our hospitality customer networks. Installation is seamless and transparent and compatible with existing network infrastructure.

ACCELERATING INTERNET CONNECTIVITY

The EdgeXOS platform is unique in its ability to bond and accelerate multiple Internet connections. This capability provides our hospitality customers with the ability to combine two or more inexpensive broadband Internet connections to provide faster, more reliable, Internet connectivity to their guests. The EdgeXOS platform is also scalable, so as the needs of a particular property increase, simply connect additional broadband connections.

The bonding and acceleration capability is unique in that you can take a 3Mbps DSL connection and combine it with a 5Mbps cable connection in order to obtain 8Mbps download throughput for your guests. No other solution on the market has the ability to combine broadband links in this manner.

ENSURING 24/7 ACCESS TO CRITICAL RESOURCES

The EdgeXOS platform enables hospitality properties to achieve full Internet redundancy through the use of two or more Internet connections. If one connection fails, the EdgeXOS platform will automatically re-route all traffic across the remaining active connections. Once the failed connection becomes available traffic will automatically be added back in to the available paths for routing traffic.

Beyond simple failover and redundancy, the EdgeXOS also incorporate several unique capabilities in order to ensure that heavy network utilization does not cause what a guest might also interrupt as a network outage, even though the actual Internet connectivity may still be working fine.

A common problem for many hotel properties is an event where a small group of users ends up consuming a large amount of the available Internet bandwidth. In these cases other guest connectivity slows dramatically. In order to prevent this from occurring the EdgeXOS platform implements safeguards in the form of our Dynamic Bandwidth Management (DBM) function which actually throttles network users which are taking up more than their fair share of the bandwidth. This service guarantees an even distribution of bandwidth across all network users, thus preventing perceived outages by guests who would otherwise have poor connectivity due to a few heavy users.

FULLY COMPATIBLE WITH EXISTING INFRASTRUCTURE / NOMADIX PARTNER

The EdgeXOS platform can be transparently inserted in to any network environment and is highly flexible in terms of its deployment options. When transparently dropped in to a network it essentially bridges network traffic between the LAN and WAN connections and only a single management IP is required. Additionally, the EdgeXOS platforms work very well with existing user management devices like Nomadix.

GENERATE NEW REVENUE THROUGH BANDWIDTH ALLOCATION

The EdgeXOS platform also enables properties to turn Internet access in to a profit center. By utilizing XRoads' bandwidth management functionality guest can be asked which bandwidth option they wish to use. Then the EdgeXOS appliance will automatically place that user in to the appropriate bandwidth group so that they receive the bandwidth they requested. This enables hotel operators to offer both free and billable bandwidth rates based on guest preferences.

LOWER OPERATING COSTS

The EdgeXOS platform lowers the total cost of Internet connectivity by enabling property operators to utilize inexpensive broadband connections instead of high cost T1, DS3 and MetroEthernet connections. Along with the additional redundancy provided by bonding multiple broadband connections, the EdgeXOS appliance significantly improves performance for guests while at the same time lowers monthly Internet access charges by leveraging several low cost broadband links. Each EdgeXOS appliance is scalable which means that it can easily expand as the guests needs grow.

KEEP GUESTS COMING BACK

The key to having return guests is ensuring that they have a most satisfactory experience at the property. Today, nearly every guest at some point in their stay will attempt to utilize the Internet for either business or entertainment purposes. Thus it is critical for any property to have highly available and fast Internet connectivity. The EdgeXOS platform is designed to provide such capabilities.

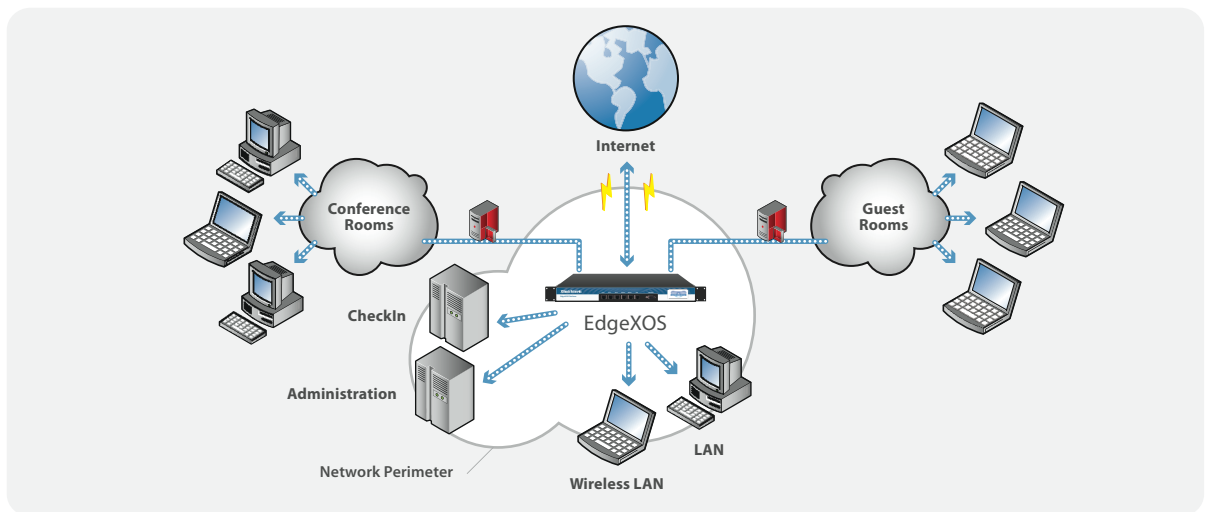
XROADS NETWORKS HAS WORKED WITHIN THE HOSPITALITY INDUSTRY FOR A NUMBER OF YEARS NOW TO DEVELOP INTEGRATED SOLUTIONS TO OPTIMIZE GUEST EXPERIENCE AND ROI FOR EACH PROPERTY.

ADMINISTRATION ACCESS

The EdgeXOS appliance incorporates a complete network security gateway which can create a firewall between the administrative network and the guest network. The EdgeXOS also incorporates DMZ connectivity options and support for VLAN networking.

WIFI ACCESS

The EdgeXOS appliance works with all forms of wifi equipment and because we do not incorporate wifi within the EdgeXOS platform directly, we never have conflicts with other external wifi solutions. The EdgeXOS appliance is 100% compatible with and can accelerate and manage traffic from all wifi solution vendors.



GUEST ROOMS

The EdgeXOS appliance will deliver fast and reliable connectivity to property guests and give property managers the ability to segment bandwidth and ensure that no individual user or group of users is able to slow down the rest of the network. The unique Bandwidth Bonding and Dynamic Bandwidth Management capabilities of the EdgeXOS platform ensure guests leave satisfied.

CONVENTION / MEETING ROOMS

The EdgeXOS appliance can be configured to provide guaranteed levels of bandwidth for convention and meeting rooms to ensure that these guests receive the services they require. The EdgeXOS platform is also capable of segmenting these guests from the rest of the network, thus preventing guest on the wifi or local area network from affecting the convention and meeting room Internet access.



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