

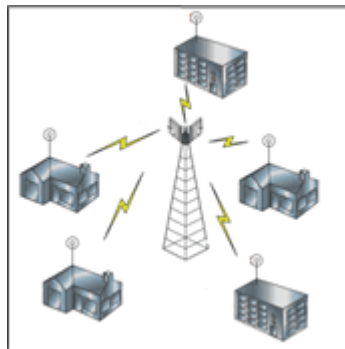
Product Highlights and Advantages



- Licence Exempt ETSI and FCC 5GHz Frequency – eliminates regulatory delays.
- 11 (ETSI), 4 (United Kingdom), 13 (USA) and 236 (Unregulated Countries) non-overlapping channels allows many units to be deployed in the same area.
- User Selectable channel width – 5 MHz, 10 MHz, 20 MHz or 40 MHz for scalable deployment and interference resiliency.
- Next day deployment enables rapid service activation and payback.
- Up to 70 Mbps of effective TCP/IP throughput per sector in 40 MHz channel mode, while proprietary protocol enhancements assure effective and robust transmission ranges of up to 30 miles.
- Cost effective alternative to leased lines.
- Optimal cost / performance ratio: highly cost efficient solution.
- Dynamic Frequency Selection (DFS) complies with ETSI EN 301 893 and OFCOM regulations to allow co-existence with Radar systems.
- Robust outdoor architecture: ensures unprecedented range and reliability, minimizes RF cable loss connecting to antenna thus providing outstanding performance and communication distance.
- Superior Atheros XR™ AR5006XS powered OFDM radio – enables NLOS (near line of sight) operation in dense urban environments.
- Non-compromising security - over the air 128bit key AES encryption.
- Compatible with other vendors 802.11a compliant devices.

The OSBRIDGE 5G, a member of OSBRIDGE products family, is a high performance 5GHz outdoor wireless Access Point designed to provide secure and reliable point to multipoint operation for Carriers, Internet Service Providers, Business Enterprises and Government organisations.

The OSBRIDGE 5G is capable of supporting up to 108 Mbps over each of its two air interfaces, equivalent to 70 Mbps Net Throughput. The OSBRIDGE 5G leverages both robust outdoor technologies and Orthogonal Frequency Division Multiplexing (OFDM) modulation in the same product - with features such as Forward Error Correction coding, used to combat multi-path and noisy environments, the product operates

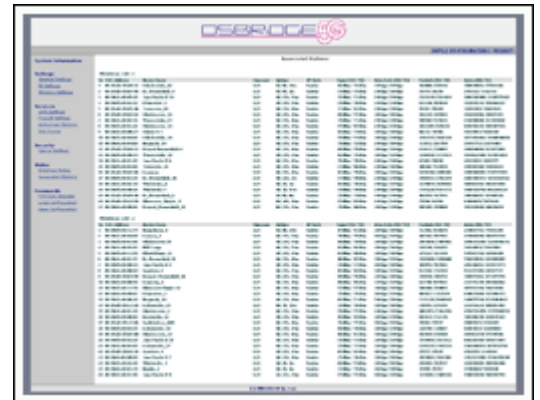


seamlessly and efficiently in challenging environments with stable throughput. The system also features advanced algorithms for automatic selection of modulation schemes to maximize the data rate and improve spectral efficiency using latest technology based on Atheros® AR5006XS Radio Modules. These inherent advantages of the OSBRIDGE 5G enable service providers to provide an effective PtMP solution to a significantly higher subscriber base that would otherwise be inaccessible.

The OSBRIDGE 5G system can handle hundreds of wireless subscribers per cell, whether they're spread out or live in densely populated neighborhoods. Combining high frequency reuse, selectable channel width with advanced interference management and immunity techniques, the OSBRIDGE 5G system conserves valuable spectrum by allowing the service provider to cover an extensive geographical area with a minimum number of channels. As bandwidth and subscriber needs increase, network operators can easily add channels or new sectors within the cell. Operators can also economically deploy additional cells to extend the service capacity and coverage footprint.



While operating with OSBRIDGE CPE devices family (5XLi, 5GXi) the OSBRIDGE 5G device can be configured to utilize proprietary polling protocol that overrides shortages of the standard 802.11a mode. OSBRIDGE proprietary WPM (Wireless Polling MAC) is a full featured TDMA/TDD protocol implementation on top of Atheros® AR5006XS hardware, using Packet Aggregation, Adaptive Polling Algorithm and disabling of the CSMA Backoff Mechanism. WPM also provides link adaptation technology and improves bandwidth, robustness, and overall performance for each subscriber.



OSBRIDGE 5G based on superior Intel XScale IXP425 processor clocked at 533MHz easily outperforms other devices based on alternative chipsets. Intel® IXP425 network processor is a highly integrated, versatile single-chip processor that is used in a variety of products that require network connectivity and high performance to run their unique software applications. Each processor combines a high-performance Intel XScale® core with additional Network Processor Engines (NPEs) to achieve unmatched packet processing performance.



All OSBRIDGE 5G products are robust, IP65 rated, outdoor units, that are built to perform in difficult climatic environments and withstand even the harshest weather conditions. Built in 802.3af compliant Power over Ethernet system allows only one ethernet cable to be used for both data and power transmission for up to 305 feet.

