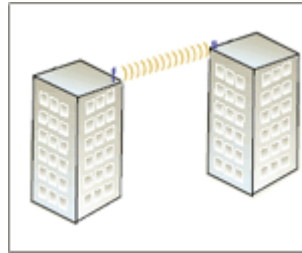


Product Highlights and Advantages



- Licence Exempt ETSI and FCC 5GHz Frequency – eliminates regulatory delays.
- 11 (ETSI), 4 (United Kingdom), 13 (USA), 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.
- Up to 70 MBps TCP/IP speed using 40MHz channel and up to 35000 packets per second.
- Next day deployment enables rapid service activation and payback.
- 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 128 bit key AES encryption.
- Compact integrated solution – easy to install and operate.

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



The OSBRIDGE 5Gi is capable of supporting up to 108 Mbps over its air interface, equivalent to 70 Mbps Net Throughput. The OSBRIDGE 5Gi

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 5Gi enable service providers to provide an effective PtP solution to a significantly higher subscriber base that would otherwise be inaccessible.



Using Features such as Packet Aggregation two OSBRIDGE 5Gi devices working as bridges can handle up to 35000 packets per second. Combining high frequency reuse, selectable channel width with advanced interference management and immunity techniques, the OSBRIDGE 5Gi bridges conserve valuable spectrum by allowing service provider to cover an extensive geographical area with a minimum number of channels.



OSBRIDGE 5Gi based on superior Intel® XScale IXP422 processor easily outperforms other devices based on alternative chipsets. Intel® IXP422 network processor is a highly integrated, versatile single-chip processor that is used in a variety of

products requiring 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 5Gi products are robust, IP65 rated, outdoor units, which 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.

