

LGC wireless products

in-building wireless coverage
solutions from the industry leader

...closing the gap

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unison benefits

- Superior RF performance and high composite power
- Software-configurable components that provide flexible system configuration options
- Simple installation using minimal components and industry-standard cabling options
- Advanced operations, administration and maintenance features
- For installations 500,000 SF (45,000 square meters) and above

unison accel benefits

- All the benefits of Unison in a system designed for smaller venues less than 500,000 square feet (46,000 meters)
- Easy-to-install CAT-5/6 cabling can extend to 100 meters, to 170 meters with optional CAT-5 Extender

fusion benefits

- True multi-band system with a single set of electronics/cabling and dedicated capacity per band
- Unparalleled RF performance featuring high output power and zero-loss
- Economical installation thanks to standard building cabling
- Lowest lifecycle costs that easily accommodate coverage/capacity growth; Web-based admin/maintenance with integrated SNMP
- For installations 250,000 SF (23,000 square meters) and above

fusion singlestar benefits

- All the Fusion benefits in a system designed for smaller venues
- Distributed amplifier system, delivering best-in-class performance
- Economical installation thanks to inexpensive, easy-to-install CATV cabling
- For installations 100,000 SF (9,000 square meters) to 300,000 SF (27,000 square meters)

To find out what LGC's advanced in-building wireless solutions can do for your business, check out www.lgcwireless.com or contact your LGC Wireless sales representative.

Wireless devices have become the de facto communication standard for both corporations and consumers alike. Yet while wireless users have come to depend on mobile communications, wireless networks continue to face the challenge of delivering wireless signals indoors while overcoming physical obstacles created by concrete and steel.

That's where LGC Wireless comes in.

LGC's suite of industry-leading, in-building wireless products conquers those challenges, bringing wireless operators and enterprises affordable, easy-to-deploy solutions to increase wireless coverage in any venue, regardless of size or complexity. Our products support the full range of wireless voice and data applications, from simple voice calls to complex wireless data applications and specialized mobile radio and paging systems.

(inter)reach unison

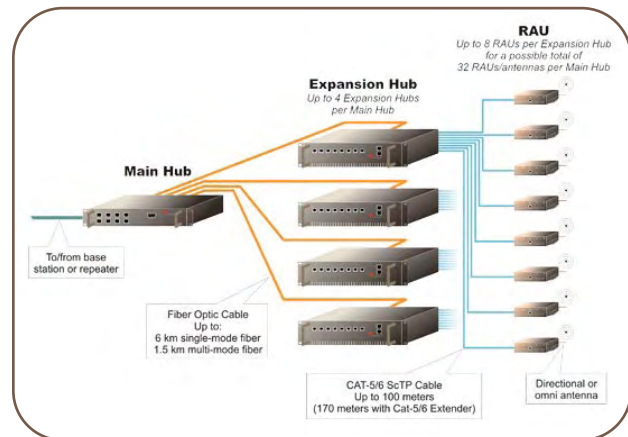
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InterReach Unison revolutionized the wireless industry when it was introduced, offering unparalleled wireless access for larger venues and dense, high-traffic environments such as skyscrapers, shopping malls, stadiums, and airports. Unison operates as a seamless extension of the public wireless network and delivers unparalleled benefits including tremendous flexibility and power, superior adaptability to any environment, and low lifecycle costs.

Unison features an easy-to-deploy double star architecture with just three components — a Main Hub, an Expansion Hub, and a Remote Access Unit (RAU). These elements are interconnected using flexible and lightweight industry-standard cabling, single-mode or multi-mode fiber, and CAT-5/6 twisted-pair. This standard LAN-type cabling is easy and economical to install, and often allows use of a facility's existing cabling infrastructure. System "reach" meets the needs of even the largest buildings and campuses, with single-mode fiber extending up to 6 kilometers, multi-mode up to 1.5 kilometers, and CAT-5/6 up to 170 meters. A Main Hub can support up to 32 RAUs, providing as much as 1 million square feet (93,000 sq. meters) of coverage from a single Unison system. All of which results in the lowest possible installation costs, simplified deployment, and incredibly easy future expansion.

In addition, Unison features advanced software tools for configuration, operations, administration and maintenance functions. These tools provide both field and centrally located maintenance personnel with simple and intuitive interfaces to monitor single or multiple systems and sites. They can also perform, either locally or remotely, configuration management functions, performance management tasks, and fault management activities. And Unison supports SNMP, so a standard network management package can be used to remotely monitor the system.



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interReach unison Accel®

Unison Accel offers all the performance benefits of Unison in a system designed for buildings under 500,000 square feet (46,000 meters). The Accel system's straightforward architecture utilizes a single hub connected to up to 8 RAUs distributed inside a building. Accel uses CAT-5/6 cabling between the hub and RAUs, making design and installation easy and economical. The system provides the same best-in-class performance and features Unison offers, including high output power (for greater capacity and demanding high bandwidth data applications), and zero RF signal loss end-to-end, ensuring uniform coverage from every antenna point.



Accel also features extensive operations, administration and maintenance capabilities, actively monitors all components in the system (including the cable infrastructure), and provides both local and remote monitoring and maintenance options. As with Unison, SNMP is fully supported, allowing remote monitoring of the system through a standard network management application. Powerful, affordable, and remarkably easy to deploy, Accel brings world-class in-building coverage down to size.

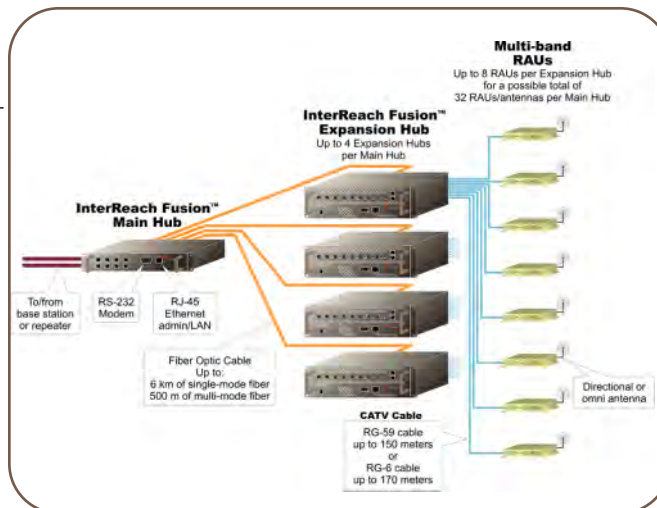
interReach fusion®



Today carrier consolidation, ever-changing spectrum allocation, and the unceasing bandwidth demand to meet voice and high-speed data requirements have driven the need for a true multi-band wireless solution. Fusion offers all the benefits of Unison in a multi-band solution, enabling any organization to implement state-of-the-art in-building wireless. Highly economical and remarkably easy to maintain, Fusion delivers unmatched high performance for areas greater than 250,000 square feet (23,000 square meters).

Fusion was designed with a variety of multi-frequency (from 800 MHz to 2.1 GHz), full-band, protocol-independent configuration options to support any environment, anywhere. And unlike competing solutions, Fusion features dedicated capacity per band. The system leads the industry in ROI as cost efficient standard building cabling

such as single-mode or multi-mode fiber and broadband CATV cabling is utilized. The single-mode/multi-mode fiber option offers the same great economies as Unison. And the inexpensive CATV cabling used is less than a 1/4" in diameter, flexible, quick to install, easy to connectorize, and can span from 150 to 300 meters depending on the type deployed. Plus, it doesn't require specialized installers, another great savings.



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Fusion's superior double star architecture, similar to Unison's, means there's usually no need to add lots of additional equipment and cabling to expand system coverage—just deploy another CATV cable and antenna point on the system. Likewise, adding capacity doesn't require system reengineering or more equipment thanks to Fusion's high composite power and dedicated capacity per band. And that simplicity holds true for adding support for additional wireless operators or newly acquired spectrum.

Finally, Fusion's monitoring and maintenance capabilities are best-in-class. The system provides integrated Web-based administrative and maintenance tools with SNMP. No proprietary software is needed, as the integrated Web server can be accessed by any standard Internet browser and the SNMP capability enables remote monitoring using any standard network management package.

interreach fusion® singlestar

Fusion SingleStar features all the multi-band performance of Fusion in a solution exclusively for venues between 100,000 square feet (9,000 square meters) and 300,000 square feet (27,000 square meters). Its advanced configuration options are ideal for wireless operators who deploy multi-band spectrum in-building solutions as well as for multi-operator installations such as smaller public venues (hotels, retail shops, subway stations) and enterprises. Just like Fusion, Fusion SingleStar is a distributed amplifier system, ensuring peak performance and uniform output power at every antenna point. This translates into cost savings, as system design is simplified and the number of antennas required to cover a venue is reduced. Plus, Fusion SingleStar utilizes cost efficient broadband CATV cabling that is flexible and easy-to-install.



metroreach focus®



MetroReach products offer a 3G-compatible solution enabling network capacity and coverage to be extended for a fraction of the cost and time required by typical strategies. Instead of deploying base stations at various locations, MetroReach Focus enables centralizing radio resources at selected sites and distributing the signals to remote endpoints. The system transports RF signals over a single fiber-optic link (up to 15km) from the base station "hotel" to multiple remote endpoints requiring capacity and/or coverage — endpoints where Unison or Fusion systems have been deployed to provide in-building coverage. MetroReach solutions dramatically simplify and cost reduce site acquisition, reduce equipment cost, and provide better and more efficient utilization of radio resources.

