

CEILING SYSTEMS

[Between us, ideas become reality.][®]



i ceilings[®]

Wireless Systems

Integrating wireless technology
into your building... invisibly.

Armstrong[®]

Armstrong Ultima® panels (pictured on the right) are compatible with i-ceilings wireless and sound systems. The multi-functional, hidden antennas preserve aesthetic value and provide superior performance.



Key segments for wireless use today:

- Office
- Healthcare
- Education
- Transportation
- Hospitality

Wireless systems are here to stay.

Building designs must increasingly accommodate new technologies like wireless.

Organizations that implement wireless technology in their buildings usually begin with one area, such as a single floor or conference room. As their wireless needs grow, they expand the system to other areas of the facility.

Maximize communication without compromising aesthetics.

In-building wireless systems are composed of multiple parts. One key component for effective coverage is the antenna.

Conventional antennas for in-building systems:

- Dangle from the ceiling or are mounted on the ceiling grid or walls
- May be subject to vandalism, theft or accidental damage
- May create occupant concerns

Now, Armstrong offers a better aesthetic choice that provides the wireless performance you need.



Conventional, visible antennas

Clean, simple, invisible.

i-ceilings are standard Armstrong ceiling panels with technology incorporated in them invisibly. Armstrong partners with Laird Technologies, a leading global designer and manufacturer of wireless antennas, to provide state-of-the-art i-ceilings panels.

Benefits of i-ceilings:

- **Superior aesthetics** – Hidden antennas can be embedded in virtually any Armstrong ceiling tile, allowing for clean design without visual disruptions
- **“Out of sight, out of mind”** – Less subject to theft, vandalism and damage; plus occupants’ concerns about visible antennas are eliminated
- **Easy to install** – Antennas are already embedded in the ceiling tiles, saving the step of attaching visible antennas to the wall, ceiling or grid
- **Flexible** – Installed i-ceilings antenna panels are easy to relocate
- **Multi-functional** – Multiple antenna configurations are available for voice, data or both, depending on your needs
- **Excellent performance** – The ceiling plane is the best location for omni-directional antennas, so i-ceilings antennas provide efficient and effective coverage (comparable to other surface-mounted antennas)
- **Compatible with leading systems** – i-ceilings antennas are compatible with the IEEE 802.11b and 802.11g (Wi-Fi) standards for WLANs. They can also be used with mobile phone service providers operating in the 850 and 1950 MHz frequency bands



Proven success.

i-ceilings wireless antenna panels have been installed nationwide for companies including Federal Express, Genentech and Texas Utilities. They're also part of wireless installations in education — including the University of Oregon, Bucknell University, Santa Rosa Junior College and Terrace Community School, located in Tampa's Museum of Science and Industry.

i-ceilings wireless systems provide the students and faculty of the Terrace Community School with wireless connectivity for their laptops anywhere in the facility.

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- Name of your Armstrong Representative
- **TechLineSM** – Technical information, detail drawings, CAD design assistance, installation information, other technical services – 8 a.m. to 5:30 p.m. EST, Monday through Friday – FAX: 1-800-572-8324 or email: techline@armstrong.com
- Product literature and samples – Express service or regular delivery
- Request a personal copy of the Armstrong Ceiling Systems catalog

armstrong.com/i-ceilings/wireless

- Product features and benefits
- View or download product data pages
- Other i-ceilings products – Speaker panels for sound masking, paging and music

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