

zigbee 4.0 Benefits

Zigbee is a proven, end-to-end solution, from mesh networking to the application layer, with billions of devices deployed across smart homes and commercial buildings. Its backward compatibility, standardization, and rigorous testing ensure reliable interoperability across the entire stack.



Lighting



**Home
Automation**



Security



**Commercial
Buildings**



**Energy/
Utility**

End User Benefits

Security Updates

Enhanced security increases protection of your IoT products against modern-day security threats

Backward Compatible

Zigbee 4.0 retains backward compatibility with Zigbee devices already in your home

User Experience

Simplified user experience allows you to use your phone directly with the Zigbee network to onboard and control devices

Long Battery

Ongoing support for Green Power devices allows deployment in hard-to-reach or battery-constrained environments, while enhanced efficiency extends battery life and minimizes maintenance needs

Extended Range

Increased signal strength and range to reach more places around your home or property including outdoor applications

Energy Integration

Improved device communication around your energy consumption in a global drive for sustainability and energy conservation

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Zigbee 4.0 is the foundation for harmonizing traditional Zigbee and Smart Energy devices. It includes comprehensive and proactive security updates, advances user experience with Zigbee Direct, extends the supported bands to sub-GHz frequencies, and provides a number of network stability enhancements to overall network operations, commissioning of devices in dense network environments, and optimization of sleepy-sleepy device communication. Its flexible, largely optional features let manufacturers tailor capabilities to their needs while maintaining backward compatibility with billions of deployed Zigbee devices.

Product/Solution Provider Benefits



Security & Network Performance

- **Stronger, Proactive Security**
Cryptographic agility and ongoing updates cut vulnerabilities, replacements, and maintenance.
- **More Stable Networks**
Smoother commissioning and operation, even in dense network environments.
- **New Use Cases Unlocked**
Sleepy-to-sleepy communication and batch commissioning open new markets.



Flexible & Compatible by Design

- **Flexible by Design**
Most features are optional - build the exact set your product needs.
- **Backward Compatible**
Full continuity with your existing Zigbee product portfolio.
- **Simple OTA Upgrade**
Update Zigbee 3.0 devices to 4.0 over the air, hardware permitting.



Reach & Connectivity

- **Extended Sub-GHz Range**
New 868/915 MHz PHY's boost signal strength, reach, and addressable market.
- **Bluetooth-to-Zigbee Connectivity**
Simplify device setup and control with Bluetooth Low Energy.



Built for Faster Time-to-Market

- **Smart Energy Ready**
Build devices for Smart Energy networks and energy-conscious customers.
- **Faster Recertification**
Rapid and FastTrack programs, powered by ZUTH, cut time, cost, and complexity of bringing product updates to market.



connectivity
standards
alliance

Learn more at www.csa-iot.org/zigbee and start building with Zigbee today!