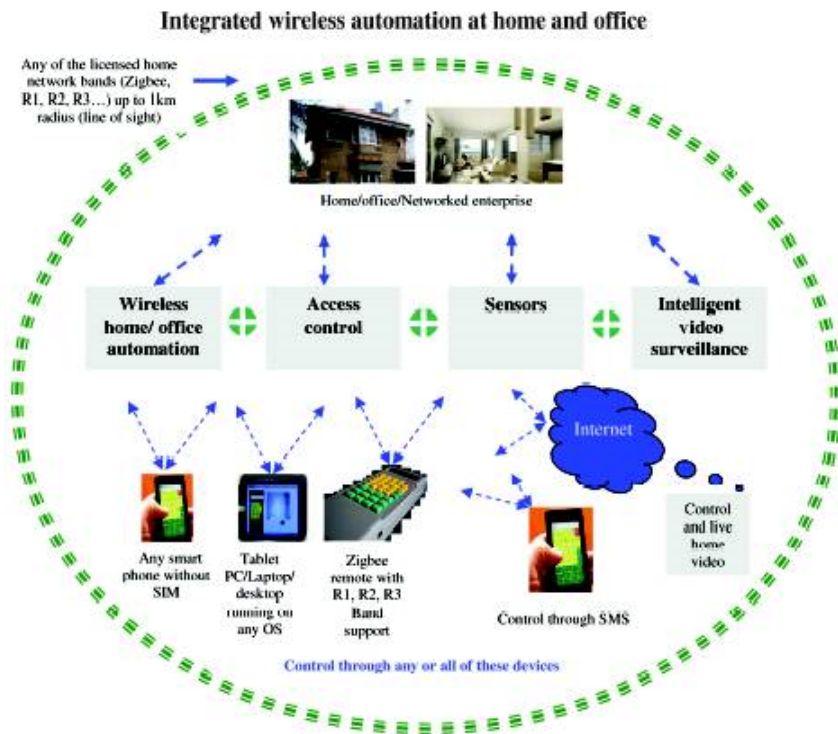


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# INTEGRATED WIRELESS AUTOMATION AT HOME AND OFFICE

Wireless automation products are futuristic and will change the way we live and work, says A Ravindra



tings in lighting, fans, air conditioning, heating, and sensors - moisture, proximity, pressure, temperature, fire, optical, LPG, CO - to monitor a variety of conditions with various forms of video transportation. It can sense each person at home and is automatically intelligent enough to play audio or video or multimedia as per the individual's preference wherever the person moves inside the home. The wireless automation system is activated through a keypad, touch buttons, biometric, voice or gesture communication over the wireless, internet or any device-connecting methods. It can be inter-operable across legally available electromagnetic (EM) spectrum devices such as infra red (IR), Bluetooth, zigbee, as well as other available worldwide standards in radio frequency with various consumer products.

It can be installed in a new construction or retrofitted into existing homes in less than eight hours without any new electrical wiring.

*(The author is a product designer)*

The use of integrated, inter-operable and configurable wireless home and office automation products are gaining a lot of interest from the new homebuyers and seasoned architects alike. Since the beginning of civilisation, the way in which a person lives has been transformed on major socio economic transitions.

Technology has constantly evolved and kept pace with the ever-changing needs of mankind. Wireless gadgets of all flavours will continue to dominate our lives in the coming years. The current decade will witness a demand for low power sensor-based complete wireless home automation products that will change the



web porting facility is fast gaining in popularity. For a home buyer any of these life style products should keep at least

one or few or all of the following senses satisfied, namely, sight, hearing, taste, touch, smell, balance, thermo-regulation, pain and healing pressure. The influence of a 'flat' technology world is prompting new homebuyers to check out the availability of the latest wireless home automation products in their new homes.

For smart, comfortable, energy-saving, convenient and safe living, the time has come to do away with bulky building management systems running on energy-hungry and expensive systems, and move towards cost effective, latest software and ease of use with wireless home automation products. Futuristic lifestyle and entertainment product will



way in which we use our lifestyle and entertainment products today.

### Keeping the home 'smart'

Most homeowners these days prefer to have techno-savvy homes with the best of technology installed for greater security and functionality. These days having an integrated, inter-operable and configurable wireless home automation, security and surveillance systems with



have a ubiquitous wireless controlling device existing in various technological forms namely, mechanical, membrane remote, USB dongle, or tiny processor tablet PC running on any operating system (OS) or hardware slot embedded in a consumer electronic product.

### How it works

Essentially, a wireless home automation system provides the controls that allow users to change set-