

Wireless standards are highly appreciated today

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802.11n

Although this wireless technology has not yet been approved, many companies have integrated it in their products. Observers claim that 802.11n will be very popular in the market because it is the innovative technology of Wi-Fi today. In addition, 11n can provide 100 Mb - 540 Mb per second, which is capable of supporting 1080p high-definition video content.



Sharp's Network Aquos system also uses HomePlug network technology but is currently only a model.

The coverage of 11n is also broader thanks to MIMO technology. "We are not guessing about this standard because there are many incentives to ensure 11n will be popular in the world," said David Steel, Samsung's deputy digital director. The company's FP-T5894W TV uses 11n connection and becomes the first wirelessly connected plasma TV on the market.

HomePlug AV

Another highly regarded technology is HomePlug AV. Technically, the HomePlug adapter adapter still needs an outlet and operates through the power cord. However, it will be the only power line for users to create a home network of 200 Mbps.

Dell Computer has demonstrated a PC connected to the screen by HomePlug at CES 2007, which took place earlier this month in Las Vegas (USA). However, this technology is not suitable for handheld devices and laptops because there is no HomePlug card available on the market yet. Prices will also be the factor that makes this technology slow to popularize.

Traditional Wi-Fi

This wireless standard operating at 25 Mb - 54 Mbps is known for three 802.11a, b and g versions. This technology appears popular in laptops and mobile devices, but may be replaced by the 11n standard this year.

HDMI / WHDI



Philips devices can transfer high-definition video to HDTV using a wireless HDMI signal transceiver. HDMI (High-Definition Multimedia Interface) is one of the data transmission mechanisms that are highly appreciated by electronics manufacturers. Amimon, a US-Israel joint venture, has improved it to wireless technology called WHDI (Wireless High-Definition Interface). WHDI can achieve data exchange rate of 3 Gb / sec. Amimon introduced a Sanyo projector that integrates WHDI at the CES 2007 show. With the potential of this technology, Philips also plans to release WHDI-enabled devices.

In addition to the above technologies, consumers will also hear about Zigbee, Z-Wave and Nokia WiBree. These three standards only have a speed of 250 Kbps but consume very little power. They will be developed to connect appliances such as thermostats, air conditioners, security cameras, electric lights .

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