

2.4GHz RF, Bluetooth combination units rising

Typical features

- **Transceiver IC:** The options depend on the wireless technology supported. These include IR, RF and Bluetooth. Makers source the component mainly from STMicroelectronics, TI, Nordic, Cypress, Broadcom and NEC.
 - **Dongle receiver:** Models targeted at PCs without wireless capability come with receivers that connect via USB. These support USB 2.0.
 - **Housing:** ABS and PC are commonly employed. Models encased in aluminum alloy are available on request.
 - **Power supply:** Units run mainly on an AAA dry-cell, CR2032 or CR2025 lithium coin battery. Some use a rechargeable lithium battery.
 - **Keys:** Units have a number keypad, and multimedia and function keys. Some integrate a QWERTY keyboard. Rubber or silica gel is used, with QWERTY types adopting the latter and a combination of plastic and rubber. Conventional variants integrate 4 or 8-way directional mouse function. High-end kinds offer a trackball or touchpad option. A few come with a capacitive multitouch pad.
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Price range (per unit)	Basic features
\$3 to \$5	IR type; USB receiver; number keypad, multimedia and function keys; mouse function, 4 or 8-way directional control
\$6 to \$8	RF type; USB receiver; number keypad, multimedia and function keys; mouse function, 4 or 8-way directional control
Above \$15	RF or Bluetooth type; USB receiver; QWERTY keyboard; trackball or touchpad function; smart TVs, set-top boxes supported

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Top trends

- **Shift to 2.4GHz RF & Bluetooth:** Although IR computer remote controls remain dominant because of their lower costs, 2.4GHz RF and Bluetooth models are increasingly becoming popular. The last two leverage a wider operating range and user friendliness.
- **Features integration:** The latest releases come with mini keyboards, trackballs and touchpads, enabling conventional input device functions. Some upscale variants even feature a capacitive multitouch pad.
- **Multiple applications:** Compatibility covers PCs, multimedia centers, smart TVs, set-top-boxes and smartphones. Units support Mac, Linux, Android, iOS and Windows Mobile. Makers broaden functionality further with LED flashlights or laser pointers.
- **Price & output projections:** Suppliers are keeping quotes stable in the next six months to attract orders. Prices of RF and Bluetooth units will decrease within 10 percent. Driven by the climbing shipments of application devices, companies anticipate higher production volume by about 20 percent. Some are even looking at a 50 percent rise.

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Product gallery

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[Deqing Dusun Electron Co. Ltd](#)

★★★★☆

Model: DSR-0363

Description: 2.4GHz RF; two 3V CR2032 lithium batteries; 175x55x13mm; 90g; CE, RoHS

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[Hanson Technology Ltd](#)

★★★★☆

Model: FelTouch Bonepad

Description: 2.4GHz RF; for PCs, smart TVs, multimedia centers; USB port; AAA battery; 120g; CE, FCC, RoHS

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[HongKong Tide Technology Co. Ltd](#)

★★★★☆

Model: IPKB250FUSK

Description: Bluetooth 2.0; nanodongle; 400cpi; 71 backlit keys; touchpad; rechargeable Li-polymer battery; 102g

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[Qingdao Haier Intelligent Electronics Co. Ltd](#)

★★★★☆

Model: HTR-U05

Description: 2.4GHz RF; mouse function; for PCs, TVs; lithium battery

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[Nova Far East Co. Ltd](#)

★★★★★

Model: SZRM873

Description: IR; mouse, keyboard functions; CR2025 battery; ABS case, rubber keys

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[Shenzhen Anycon Electronics Technology Co. Ltd](#)

Model: ANSRC-KB001

Description: IR+2.4GHz RF; nanoreceiver; mouse function; multicolor rubber keys; Mini-USB port