

Difference Description

Modules CYW20829B0-P4TAI200 and CYW20829B0-P4EPI200, CYW20829B0-P4EFI200 have the same PCB, Bluetooth chip, periphery parts and the encapsulation of the main chip.

The difference is the configuration of antenna:

- CYW20829B0-P4TAI200, it is configured with PCB antenna on the module, antenna peak gain is -0.5 dBi.
- CYW20822B0-P4EPI200, it is configured with external antenna via RF pad on the bottom of the module. It uses below antenna for certification.

Manufacture	Part Number	Gain
Pulse	W1010	2.0dBi peak

- CYW20822B0-P4EFI200, it is configured with external antenna via RF connector of the module. It uses below antenna for certification.

Manufacture	Part Number	Gain
Pulse	W1010	2.0dBi peak

The antennas do not support simultaneous operation. The manufacturer will arrange professional personnel to install and match them to avoid misconnection of the external antenna ports of different modules.