CLAIMS

What is claimed is:

1. An expandable and upgradeable universal socket, comprising a socket body a function module and a power module;

wherein the function module is replaceable and upgradeable, and is detachably fixed to the socket body; a power circuit of the function module is separably connected to a power circuit of the socket body to enable the function module to plug and play; a space is provided in the socket body to accommodate the function module, and a surface of the socket body is provided with a function area corresponding to the function module; the power module comprises a first L-shaped structure and a bypass pin socket: the function module comprises a second L-shaped structure and a bvpass pin: the bvpass pin socket is arranged at a bottom end of an outer side of a protruding part of the first L-shaped structure: the bypass pin is arranged at a bottom end of an inner side of a protruding part of the second L-shaped structure: the bypass pin is inserted into the bypass pin socket, such that the first L-shaped structure fits the second L-shaped structure to form a substantially rectangular structure.

2. The expandable and upgradeable universal socket of claim 1, wherein the function module is configured for at least one of a USB interface, a network interface, a Bluetooth management, a wireless management, a power switch, a speaker and a night light.

3. The expandable and upgradeable universal socket of claim 1, wherein a panel for the function area on the surface of the socket body is detachably fixed to the socket body, and the panel is replaced and upgraded correspondingly with the function module.

4. The expandable and upgradeable universal socket of claim 1, wherein the function module is directly and detachably fixed to the socket body; or the function module is detachably fixed to an auxiliary member which is then fixed to the socket body.

5. The expandable and upgradeable universal socket of claim 3, wherein a plurality of hooks or holes are arranged at a periphery or a bottom of the panel for a detachable

and fixed connection between the panel and the socket body; or the panel is detachably fixed to the auxiliary member which is then fixed to the socket body.

6. The expandable and upgradeable universal socket of claim 4, wherein the auxiliary member is a fixing frame.

7. The expandable and upgradeable universal socket of claim 5, wherein the auxiliary member is a fixing frame.

8. The expandable and upgradeable universal socket of claim 1, wherein the power circuit comprises a live circuit, a neutral circuit, and a ground circuit.

9. The expandable and upgradeable universal socket of claim 1, wherein the socket body is a mobile socket or a fixed socket.

10. The expandable and upgradeable universal socket of claim 1, wherein the function module further comprises a function module top cover, a function module bottom box and a USB socket.

11. The expandable and upgradeable universal socket of claim 1, wherein the power module further comprises a power module bottom box; an earth contact, a live contact, and a neutral contact are accommodated in the power module bottom box.

12. The expandable and upgradeable universal socket of claim 1, wherein the bypass pin socket further comprises a bypass live outlet, a bypass ground outlet, and a bypass neutral outlet.