Claims

1. An extendable panel (10), comprising:

a main panel (1); and

a side panel (2) comprising a first interface (23) having a first connecting structure (13), the first connecting structure (13) being suitable for forming a detachable connection with an external functional module (3), wherein the extendable panel is configured to be installed on a wall.

2. The extendable panel according to claim 1, wherein the panel comprises a shielding cover (4) for shielding the first interface (23).

3. The extendable panel according to claim 1 or 2, wherein the first interface (23) is one or more.

4. The extendable panel according to claim 1 or 2, wherein the first connecting structure (13) comprises one or more butt holes (15) which is suitable for receiving a butt protrusion (35) of the external functional module to form a locking connection.

5. The extendable panel according to claim 1 or 2, wherein the first connecting structure (13) comprises at least one butt protrusion (35) which is suitable for inserting into a butt hole (15) of the external functional module to form a locking connection.

6. The extendable panel according to claim 1 or 2, wherein the side panel further comprises a guide groove (17) in which the first interface (23) is located, the guide groove (17) being suitable for cooperating with a guide protrusion (18) of the external functional module (3).

7. The extendable panel according to claim 2, wherein the shielding cover (4) is connected to the main panel (1) or the side panel (2) via a bendable joint.

8. The extendable panel according to claim 2, wherein the shielding cover (4) is a removable component and comprises a second connecting structure (43) which is suitable

for cooperating with the first connecting structure (13) to form a detachable connection.

9. The extendable panel according to claim 1 or 2, wherein the first interface (23) comprises a first electrically conductive contact chip (18) for forming an electrical connection with the external functional module.

10. The extendable panel according to claim 1 or 2, wherein the main panel (1) comprises a power jack and/or switch.

11. An extendable panel assembly (20), comprising:

a panel (10) comprising a main panel (1) and a side panel (2) that includes a first interface (23) having a first connecting structure (13), the panel (10) configured to be installed on a wall; and

an external functional module (3) comprising a second interface having a second connecting structure (43), the first connecting structure (13) and the second connecting structure (43) being suitable for forming a detachable connection .

12. The extendable panel assembly according to claim 11, wherein the assembly further comprises a shielding cover (4) for shielding the first interface (23).

13. The extendable panel assembly according to claim 11 or 12, wherein the first interface (23) is one or more and the second interface (33) is one or more.

14. The extendable panel assembly according to claim 11 or 12, wherein the first connecting structure (13) comprises one or more butt holes (15) and the second connecting structure (43) comprises a butt protrusion (35), the butt hole (15) being suitable for receiving the butt protrusion (35) to form a locking connection.

15. The extendable panel assembly according to claim 11 or 12, wherein the first connecting structure (13) comprises at least one butt protrusion (35) and the second connecting structure (43) comprises a butt hole (15), the butt protrusion (35) being suitable for inserting into the butt hole (15) to form a locking connection.

16. The extendable panel assembly according to claim 11 or 12, wherein the side panel further comprises a guide groove (17) in which the first interface is located, and the external functional module comprises a guide protrusion (18), the guide groove (17) cooperating with the guide protrusion (18).

17. The extendable panel assembly according to claim 11 or 12, wherein the shielding cover is connected with the main panel (1) or the side panel (2) via a bendable joint.

18. The extendable panel assembly according to claim 12, wherein the shielding cover is a removable component and comprises the second connecting structure (43).

19. The extendable panel assembly according to claim 11 or 12, wherein the first interface comprises a first electrically conductive contact chip (19) and the second interface comprises a second electrically conductive contact chip, the first electrically conductive contact chip and the second electrically conductive contact chip forming an electrical connection.

20. The extendable panel assembly according to claim 11 or 12, wherein the main panel (1) comprises a power jack and/or switch.