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Table with concealed cable management

Abstract

A table with concealed cable management is provided. The table includes a cable management component including a cable management shelf, a support frame, and fixing frames. The cable management shelf is connected to the support frame to provide support for the power supply equipment with the support of the support frame. The support frame is connected to the table via the fixing frames, so that the cable management component is disposed at the bottom of the table. The cable management component is combined with the table's frame structure, integrating the cable management function into the table's design, effectively utilizing the space below and resolving potential safety hazards from messy wiring of existing power supply equipment. Additionally, this design eliminates the need for external cable management equipment, such as a cable manager. This integration enhances both the overall stability and integration of the table.

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Background/Summary

FIELD OF THE INVENTION

(1) The present disclosure relates to the technology field of tables, specifically to a table with concealed cable management.

BACKGROUND OF THE INVENTION

(2) In modern home life, gaming desks, square tables, and height-adjustable desks are essential pieces of furniture. As indoor living becomes more diverse and personalized, the variety and quantity of equipment placed on tables have been increasing. This leads to a complex and often messy arrangement of cables on and under the table. On one hand, this affects the overall aesthetic of the desk layout. On the other hand, the disorganized cables are more prone to damage from people or pets, which can render the equipment unusable, pose safety hazards during equipment use or movement, and increase maintenance costs.

SUMMARY OF THE INVENTION

(3) The present disclosure provides a table with concealed cable management. The table includes a cable management component. The cable management component includes a cable management shelf, a support frame, and fixing frames. The cable management shelf is connected to the support frame, so that it can support the power supply equipment with the support of the support frame; the support frame is connected to the table via the fixing frames, so that the cable management component is disposed at the bottom of the table.

(4) In one embodiment, the fixing frames are provided on two sides of table legs of the table, and the support frame is respectively connected to the fixing frames on the two sides of the table, so that the cable management component is disposed at the bottom of the table through the fixing frames.

(5) The fixing frames are disposed below the table, and the support frame is connected to the fixing frames, so that the cable management component is disposed at the bottom of the table through the fixing frames.

(6) In one embodiment, the cable management shelf is disposed on the support frame through a screw.

(7) In one embodiment, the support frame is provided with multiple fixing holes, and the cable management shelf is fixed to different fixing holes of the support frame by screws to realize adjustable positioning.

(8) In one embodiment, the cable management shelf is arranged at any position of the support frame by welding.

(9) In one embodiment, the cable management shelf is arranged on the support frame via a sliding rail, so that the cable management shelf is movable along a long axis of the support frame within the sliding rail of the support frame.

(10) In one embodiment, the cable management shelf includes a bottom surface and at least one side surface. The bottom surface is provided with a first opening to allow the power cables and/or device cables of the power supply equipment to pass through. One side surface is provided with a second opening to allow the power cables and/or device cables of the power supply equipment to pass through.

(11) In one embodiment, the cable management shelf is made of steel, plastic or wood, and the support frame is made of pipes, plastic or wood.

(12) In one embodiment, the cable management component is detachably disposed at the bottom of the table.

(13) In one embodiment, the cable management component is fixedly disposed at the bottom of the table.

(14) As described above, the table with concealed cable management of the present disclosure has the following beneficial effects:

(15) According to the table with concealed cable management of the present disclosure, the cable

management component is combined with the frame structure of the table, so that the cable management function is integrated into the structural design of the table, the space below the table is effectively utilized, and the problem of potential safety hazards caused by messy wiring of existing power supply equipment is solved. At the same time, the installation method that combines the cable management component with the frame structure of the table eliminates the need for external cable management equipment, such as a cable manager. This integration makes the table structure more integrated and stable.

(16) In the present disclosure, the cable management component is detachably disposed below the table, and all the components of the table are detachably connected, that is, the overall structure of the table is detachable, thereby reducing the packaging volume and effectively utilizing the space below the table.

(17) In the present disclosure, when the fixing frames of the cable management component are the table side frames, the support frame of the cable management component is respectively connected to the fixing frames on two sides of the table legs, so that the cable management component is disposed below the second table board of the table, ensuring the stability of the table and the bearing capacity of the cable arrangement layer. Meanwhile, the storage capacity can be enhanced by connecting the cable management shelf, the support frame and the table side frames (fixing frames). At the same time, under the support of the support frame, the cable management shelf can easily accommodate external power strips or device cables while remaining concealed under the table, without affecting the overall appearance.

(18) The cable management component of the table with concealed cable management in the present disclosure is easier to install and less expensive compared to external cable management devices currently available in the market.

Description

BRIEF DESCRIPTION OF DRAWINGS

(1) FIG. 1 shows a schematic structural diagram of a table with concealed cable management according to one embodiment of the present disclosure.

(2) FIG. 2 shows a schematic structural view of a bottom view of a table with concealed cable management according to one embodiment of the present disclosure.

(3) FIG. 3 shows a schematic structural diagram of a bottom right perspective view of a table with concealed cable management according to one embodiment of the present disclosure.

(4) FIG. 4 shows a schematic explode diagram of a table with concealed cable management according to one embodiment of the present disclosure.

(5) FIG. 5 shows a schematic diagram of a connection of a cable management component and table side frames according to one embodiment of the present disclosure.

(6) FIG. 6 shows a schematic diagram of a cable management component independently disposed below a table according to one embodiment of the present disclosure.

(7) FIG. 7 shows a schematic structural diagram of a connection of a cable management shelf and a support frame according to one embodiment of the present disclosure.

(8) FIG. 8 shows a schematic structural diagram of a cable management shelf according to one embodiment of the present disclosure.

(9) FIG. 9 shows a schematic structural view of a left perspective view of a table with concealed cable management according to one embodiment of the present disclosure.

(10) FIG. 10 shows a schematic structural view of a right perspective view of a table with concealed cable management according to one embodiment of the present disclosure.

REFERENCE NUMERALS

(11) **1** Table with concealed cable management **11** Cable management component **111** Cable

management shelf **1111** Bottom surface **11111** First opening **1112** Side surface **1112A** First side surface **1112B** Second side surface **11121** Second opening **11121A** First side opening **11121B** Second side opening **112** Support frame **113** Fixing frame **113A** First fixing frame **113B** Second fixing frame **12** First table board **13** Second table board **131** Shelf board **132** Shelf connector frame **14** Table side frame **14A** First table side frame **14B** Second table side frame **15** Table leg **15A** First table leg **15B** Second table leg **16** Connecting rod

DETAILED DESCRIPTION

(12) The specific embodiments are described below to illustrate the implementation of the present disclosure, and those skilled in the art can easily understand other advantages and effects of the present disclosure from the content disclosed in this specification. The present disclosure can also be implemented or applied in other specific embodiments. The details provided in this description can be modified or altered in various ways based on different perspectives and applications without departing from the spirit of the present disclosure. It should be noted that the embodiments and features of the embodiments in the present disclosure can be combined with each other as long as there is no conflict.

(13) It should be noted that the illustrations provided in the following embodiments are merely schematic representations to explain the basic concepts of this application. Therefore, the figures only show components related to this application and are not drawn according to the actual number, shape, and size of components in practice. The actual implementation may involve variations in the type, quantity, and proportions of the components, and the layout of the components could be more complex.

(14) The following embodiments of the present disclosure provide a table with hidden wire management, which solves the problem of the existing technology where the power supply cables on and under the desk are tangled and disorganized, leading to potential safety hazards.

(15) The following will detail the principles and implementation methods of a hidden cable management table in an embodiment, with reference to the accompanying drawings, so that those skilled in the art can understand the hidden cable management table of this embodiment without requiring inventive effort.

(16) As shown in FIG. 1, a table with concealed cable management is provided. The table includes a cable management component **11**. The cable management component **11** includes a cable management shelf **111**, a support frame **112**, and fixing frames **113**.

(17) The cable management shelf **111** is connected to the support frame **112**, so that the cable management shelf **111** can support the power supply equipment with the support of the support frame **112**.

(18) The support frame **112** is connected to the table **1** via the fixing frames **113**, so that the cable management component **11** is disposed at the bottom of the table **1**.

(19) According to the table with concealed cable management of the present disclosure, the cable management component **11** is combined with the frame structure of the table **1**, so that the cable management function is integrated into the structural design of the table, the space below the table is effectively utilized, and the problem of potential safety hazards caused by messy wiring of existing power supply equipment is solved. At the same time, the installation method that combines the cable management component **11** with the frame structure of the table **1** eliminates the need for external cable management equipment, such as a cable manager. This integration makes the table structure more integrated and stable.

(20) In one embodiment of the present disclosure, the fixing frames **113** are provided on two sides of the table legs, and the support frame **112** is respectively connected to the fixing frames **113** on both sides of the table **1**, so that the cable management component **11** is disposed at the bottom of the table **1** through the fixing frames **113**.

(21) FIG. 1 shows a schematic structural diagram of a bottom left perspective view of a table with concealed cable management according to one embodiment of the present disclosure. FIG. 2 shows

a schematic structural view of a bottom view of a table with concealed cable management according to one embodiment of the present disclosure. FIG. 3 shows a schematic structural diagram of a bottom right perspective view of a table with concealed cable management according to one embodiment of the present disclosure. FIG. 4 shows a schematic exploded diagram of a table with concealed cable management according to one embodiment of the present disclosure. (22) As shown in FIGS. 1 to 4, in one embodiment, the table includes two layers of table boards (a first table board 12 and a second table board 13). The first table board 12 is the face panel of the table, and the first table board 12 is connected to table side frames 14, which include a first table side frame 14A and a second table side frame 14B, for fixing the first table board 12. The second table board 13 is the laminated board of the table, the second table board 13 includes a shelf board 131 and a shelf connector frame 132. The shelf board 131 is connected to the shelf connector frame 132, and the shelf connector frame 132 is used to support the shelf board 131. The shelf connector frame 132 is connected to the table side frames 14, and is configured to fix the second table board 13. The size of the second table board 13 is smaller than that of the first table board 12. The table further includes table legs 15, which include a first table leg 15A and a second table leg 15B. The first table leg 15A is connected to the second table leg 15B by a connecting rod 16. The table side frames 14 are respectively connected on two sides of the table legs 15. Specifically, the first table side frame 14A is fixedly connected with the first table leg 15A, and the second table side frame 14B is fixedly connected with the second table leg 15B. This setup ensures that the table is securely fixed. All the panels can be connected either by screws or by welding.

(23) In one embodiment, the fixing frames 113 including a first fixing frame 113A and a second fixing frame 113B of the cable management component 11 are the table side frames 14. The support frame 112 in the cable management component 11 is connected to the first fixing frame 113A and the second fixing frame 113B, so that the cable management component 11 is arranged below the first table board 12 of the table 1. At the same time, the second table board 13 of the table 1 is located on the outside of the cable management component 11, so that the second table board 13 can be used to expand storage space, and the cable management component 11 for supporting power supply equipment can be concealed under the table without affecting the overall attractiveness of the table.

(24) FIG. 5 shows a schematic diagram of a table where the fixing frames 113 of the cable management component 11 serve as the table side frames 14 according to one embodiment of the present disclosure. As shown in FIG. 5, the fixing frames 113 including the first fixing frame 113A and the second fixing frame 113B are the table side frames 14. The support frame 112 of the cable management component 11 is connected to both the first fixing frame 113A and the second fixing frame 113B, so that the cable management component 11 is disposed below the second table board 13 and located on an inner side of the second table board 13 of the table 1. In one embodiment of the present disclosure, the fixing frames 113 are disposed below the table 1, and the support frame 112 is connected to the fixing frames 113, so that the cable management component 11 is set below the table 1 through the fixing frames 113.

(25) In one embodiment, the table includes two layers of table boards (a first table board 12 and a second table board 13). The first table board 12 is the face panel of the table, which is located at the top of the table, and the first table board 12 is connected to the table side frames 14 (the first table side frame 14A and the second table side frame 14B) for fixing the first table board 12. The second table board 13 is the laminated board of the table, which is located below the first table board 12. The second table board 13 includes a shelf board 131 and a shelf connector frame 132 connected to the shelf board 131. The shelf connector frame 132 is used to support the shelf board 131. The shelf connector frame 132 is connected to the table side frames 14 and is configured to fix the second table board 13. The size of the second table board 13 is the same as or very close to that of the first table board 12. The table further includes table legs 15 (the first table leg 15A and the second table leg 15B). The first table leg 15A is connected to the second table leg 15B by a connecting rod 16.

The table side frames **14** are respectively connected to two sides of the table legs **15**. Specifically, the first table side frame **14A** is fixedly connected with the first table leg **15A**, and the second table side frame **14B** is fixedly connected with the second table leg **15B**. This setup ensures that the table is securely fixed. All the panels can be connected either by screws or by welding.

(26) In one embodiment, the fixing frames **113** (the first fixing frame **113A** and the second fixing frame **113B**) of the cable management component **11** may be separate frames located underneath the first table board **12** of the table **1**. The support frame **112** of the cable management component **11** is connected to both the first fixing frame **113A** and the second fixing frame **113B**, so that the cable management component **11** is disposed below the first table board **12** and located on an inner side of the second table board **13** of the table **1**.

(27) FIG. **6** shows a schematic diagram of the fixing frames **113** of the cable management component **11** as separate frames according to one embodiment of the present disclosure. As shown in FIG. **6**, the first fixing frame **113A** and the second fixing frame **113B** of the cable management component **11** are separate frames located below the first table board **12** of the table **1**. The support frame **112** of the cable management component **11** is connected to both the first fixing frame **113A** and the second fixing frame **113B**, so that the cable management component **11** is disposed below the first table board **12** and located on an inner side of the second table board **13** of the table **1**.

(28) In one embodiment, the fixing frames **113** (the first fixing frame **113A** and the second fixing frame **113B**) of the cable management component **11** are table side frames **14**. The support frame **112** of the cable management component **11** is connected to both the first fixing frame **113A** and the second fixing frame **113B**, so that the cable management component **11** is disposed below the second table board **13** of the table **1**.

(29) In one embodiment, the fixing frames **113** (the first fixing frame **113A** and the second fixing frame **113B**) of the cable management component **11** are separate frames located below the second table board **13** of the table **1**. The support frame **112** of the cable management component **11** is connected to both the first fixing frame **113A** and the second fixing frame **113B**, so that the cable management component **11** is disposed below the second table board **13** of the table **1**.

(30) It should be noted that, for the arrangement of the position, quantity and shape of the cable management component **11**, this application is not limited thereto, and the user may set according to actual requirements.

(31) In one embodiment of the present disclosure, the cable management shelf **111** is disposed on the support frame **112** through a screw.

(32) In one embodiment of the present disclosure, the support frame **112** is provided with multiple fixing holes, and the cable management shelf **111** is connected to different fixing holes of the support frame **112** through screws to realize adjustable position.

(33) In one embodiment, the support frame **112** is provided with three groups of fixing holes. The first group of the fixing holes is located at the left side of the support frame **112**, and when the cable management shelf **111** is connected to the first group of fixing holes of the support frame through screws, it indicates that the cable management shelf **111** is located at the left position of the support frame.

(34) The second group of fixing holes is located in the middle of the support frame **112**, and when the cable management shelf **111** is connected to the second group of fixing holes of the support frame through screws, it indicates that the cable management shelf **111** is located in the middle of the support frame.

(35) The third group of fixing holes is located at the right side of the support frame **112**, and when the cable management shelf **111** is fixed to the third group of fixing holes of the support frame through screws, it indicates that the cable management shelf **111** is located at the right side of the support frame.

(36) The first group of fixing holes, the second group of fixing holes and the third group of fixing holes are all threaded holes corresponding to the screws. The cable management shelf **111** is

connected to the support frame **112** through adjustable screws, and the screws enter or exit the threaded holes in the support frame **112** by rotating, thereby adjusting the position of the cable management shelf **111** on the support frame **112**. This method is easy to use, and suitable for a variety of storage and placement needs that require adjustable positioning.

(37) It should be noted that the fixing holes set on the support frame **112** in the embodiments of this application are not limited to the first group of fixing holes, the second group of fixing holes, and the third group of fixing holes mentioned above, and the user may set according to actual needs, which is not specifically limited herein.

(38) In one embodiment of the present disclosure, the cable management shelf **111** is disposed at any position of the support frame **112** by welding.

(39) In one embodiment, the cable management shelf **111** can also be welded at any position of the support frame **112**. This method uses welding technology to ensure stability and durability between the cable management shelf **111** and the support frame **112**. This method is suitable for application scenarios requiring long-term fixation.

(40) In one embodiment of the present disclosure, the cable management shelf **111** is disposed on the support frame **112** through a sliding rail, so that the cable management shelf **111** is movable along a long axis of the support frame **112** within the sliding rail of the support frame **112**.

(41) In one embodiment, the cable management shelf **111** can also be disposed on the support frame **112** through a sliding rail, where the cable management shelf **111** is mounted on a movable slider and disposed within the slide rail of the support frame **112**, so that the cable management shelf **111** can move freely along the long axis of the support frame **112** within the slide rail of the support frame **112**. By means of the sliding rail installation method, the user can easily slide the cable management shelf **111** along the sliding rail to arbitrarily adjust the position within the support frame **112**, which provides extremely high flexibility and convenience, and is suitable for frequently adjusting the use environment of the position.

(42) As shown in FIG. 7 and FIG. 8, in one embodiment of the present disclosure, the cable management shelf **111** includes a bottom surface **1111** and at least one side surface **1112**. A first opening **11111** is provided on the bottom surface **1111** to allow power and/or device cables of the power supply device to pass through. Additionally, a second opening **11121** is provided on the side surface **1112** for the same purpose.

(43) FIG. 7 shows a schematic structural diagram of a connection of the cable management shelf and the support frame according to one embodiment of the present disclosure. FIG. 8 shows a schematic structural diagram of the cable management shelf according to one embodiment of the present disclosure. As shown in FIG. 7 and FIG. 8, the cable management shelf **111** includes a bottom surface **1111** and side surfaces **1112**. The side surfaces **1112** include a first side surface **1112A** and a second side surface **1112B** opposite to the first side surface **1112A** and connected with the first side surface **1112A** through the bottom surface **1111**. The bottom surface is provided with a first opening **11111** to allow power and/or device cables of the power supply device to pass through. The first side surface **1112A** and the second side surface B are both provided with a second opening **11121**. Specifically, the first side surface **1112A** is provided with a first side opening **11121A**, and the second side surface **1112B** is provided with a second side opening **11121B**. Both the first side opening **11121A** and the second side opening **11121B** allow power and/or device cables of the power supply device to pass through.

(44) Specifically, the cable management shelf **111** (the reference size is 30*13 cm, including but not limited to this size) can accommodate most power strips. The side surfaces of the cable management shelf **111** are respectively provided with an oval-shaped hole to facilitate winding and wiring, and a circular hole provided on the bottom surface of the cable management shelf **111** can better allow the power line and the device line to pass through, so that the power strip is more firmly fixed on the wire arrangement storage layer. By placing the power supply device on the cable management shelf **111**, the user can optimize the disordered wiring of the table and the

problem that the connection line of the desktop power supply device is too short. At the same time, under the support of the support frame **112**, the cable management shelf **111** can easily accommodate external power strips or device cables while remaining concealed under the table, without affecting the overall appearance.

(45) In one embodiment of the present disclosure, the cable management shelf **111** may be made of steel, plastic or wood. The support frame **112** may be made of pipes, plastic or wood.

(46) In one embodiment of the present disclosure, the cable management component **11** is detachably disposed below the table **1**.

(47) Specifically, the cable management component **11** is detachably disposed below the table, and all the components of the table are detachably connected, that is, the overall structure of the table is detachable, thereby reducing the packaging volume and effectively utilizing the space below the table. At the same time, the installation method that combines the cable management component **11** with the frame structure of the table solves the problem of potential safety hazards caused by disordered wiring of existing power supply devices.

(48) In one embodiment of the present disclosure, the cable management component **11** is fixedly disposed below the table **1**.

(49) FIG. **9** shows a schematic structural diagram of a left view of a table with concealed cable management according to one embodiment of the present disclosure. FIG. **10** shows a schematic structural diagram of a right view of a table with concealed cable management according to one embodiment of the present disclosure.

(50) When the fixing frames **113** of the cable management component **11** serve as the table side frames **14**, and the cable management component **11** is disposed below the first table board **12** and on the inner side of the second table board **13** (the table structure after installation is shown in FIGS. **9** and **10**), the installation process of the table with concealed cable management according to one embodiment of the present disclosure is as follows:

(51) Connecting the first table leg **15A** and the second table leg **15B** of the table **1** through a connecting rod **16**, connecting the side frames **14** to both sides of the table legs **15** with screws, and mounting the first board **12** to the side frames **14** on both sides of the table legs **15** with screws; mounting the shelf board **131** of the second table board **13** to the shelf connector frame **132** with screws, and mounting the shelf connector frame **132** to the side frames **14** on both sides of the table legs **15** with screws, where the installation direction of the second table board **13** is close to the front face of the table.

(52) In this embodiment, the fixing frames **113** (the first fixing frame **113A** and the second fixing frame **113B**) of the cable management component **11** are the table side frames **14**, and after mounting the cable management shelf **111** of the cable management component **11** to the support frame **112** by screws, soldering, or a sliding rail, the support frame **112** is subsequently mounted to the table side frames **14** on both sides of the table legs **15** with screws. The cable management component **11** after installation is located under the first table board **12** and on the inner side of the second table board **13**. In this way, the cable management component **11**, which supports the power supply equipment, can be concealed beneath the table. This effectively utilizes the space below the table without affecting the overall aesthetic of the desk and solves the safety concerns associated with excessive and messy wiring of existing power supply equipment. At the same time, the second table board **13** can be used to expand the storage space, thereby making full use of the space underneath the table.

(53) In summary, the table with concealed cable management described in the embodiments of the present disclosure has the following beneficial effects:

(54) According to the table with concealed cable management of the present disclosure, the cable management component **11** is combined with the frame structure of the table **1**, so that the cable management function is integrated into the structural design of the table, the space below the table is effectively utilized, and the problem of potential safety hazards caused by messy wiring of

existing power supply equipment is solved. At the same time, the installation method that combines the cable management component **11** with the frame structure of the table **1** eliminates the need for an external cable management equipment such as a cable manager, making the table structure more integral and stable.

(55) The cable management component **11** is detachably disposed below the table **1**, and all the components of the table **1** are detachably connected, that is, the overall structure of the table **1** is detachable, thereby reducing the packaging volume and effectively utilizing the space below the table.

(56) When the fixing frames **113** (the first fixing frame **113A** and the second fixing frame **113B**) of the cable management component **11** are the table side frames **14**, the support frame **112** of the cable management component **11** is respectively connected to the first fixing frame **113A** and the second fixing frame **113B**, so that the cable management component **11** is disposed below the second table board **13** of the table **1**, thereby ensuring the stability of the table and the bearing capacity of the cable arrangement shelf **111**. Meanwhile, the storage capacity can be enhanced by connecting the cable management shelf **111**, the support frame **112** and the table side frames **14** (the fixing frames **113**). At the same time, under the support of the support frame **112**, the cable management shelf **111** can easily accommodate external power strips or device cables while remaining concealed under the table, without affecting the overall appearance.

(57) The cable management component **11** of the table with concealed cable management in the present disclosure is easier to install and less expensive compared to external cable management devices currently available in the market.

(58) The descriptions of the processes or structures corresponding to the above figures each have their own emphasis. Parts that are not detailed in one process or structure can be referenced in the relevant descriptions of other processes or structures.

(59) The embodiments described above serve merely as illustrative examples of the principles and effects of the present disclosure, and are not intended to serve as limitations on the invention. Persons skilled in the art may modify or alter these embodiments without departing from the spirit and scope of the present disclosure. Therefore, any equivalent modifications or alterations made by those skilled in the art, which are consistent with the spirit and technical concepts disclosed in the present disclosure, shall still fall within the scope of the claims of the present disclosure

Claims

1. A table with concealed cable management, comprising a first table board, a second table board, and a cable management component, wherein the cable management component comprises a cable management shelf, a support frame, and fixing frames; wherein the second table board is below the first table board, and a size of the second table board is smaller than that of the first table board; wherein the cable management shelf is connected to the support frame, so that the cable management shelf can support power supply equipment with the support of the support frame; wherein the support frame is connected to the table boards by the fixing frames, and the cable management component is disposed below the first table board and located behind the second table board, side by side.
2. The table according to claim 1, wherein the fixing frames are disposed on two sides of table legs of the table, and the support frame is respectively connected to the fixing frames on the two sides of the table, so that the cable management component is disposed at the bottom of the table through the fixing frames.
3. The table according to claim 1, wherein the fixing frames are disposed below the first table board, and the support frame is connected to the fixing frames, so that the cable management component is disposed at the bottom of the table through the fixing frames.
4. The table according to claim 1, wherein the cable management shelf is disposed on the support

frame through a screw.

5. The table according to claim 1, wherein the cable management shelf is arranged at any position of the support frame by welding.
 6. The table according to claim 1, wherein the cable management shelf comprises a bottom surface and at least one side surface, wherein a first opening is provided on the bottom surface to allow power and/or device cables of the power supply device to pass through, and a second opening is provided on the side surface to allow power and/or device cables of the power supply device to pass through; wherein the first opening is a circular hole, and the second opening is an arced notch.
 7. The table according to claim 6, wherein the bottom surface of the cable management shelf is rectangular.
 8. The table according to claim 1, wherein the cable management shelf is made of steel, plastic or wood, and the support frame is made of pipes, plastic or wood.
 9. The table according to claim 1, wherein the cable management component is detachably disposed at the bottom of the table.
 10. The table according to claim 1, wherein the cable management component is fixedly disposed at the bottom of the table.
 11. The table according to claim 1, wherein the fixing frames and the support frame are in shape of rectangular rings, the support frame is horizontally disposed, and the fixing frames are vertically disposed.
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