

# ZyPer4K Power Center

Congratulations on your purchase of the ZyPer4K Power Center. Your complete satisfaction is very important to us.

The ZyPer4K Power Center is the ideal solution for reducing clutter in an equipment rack filled with power cables. Once installed, the ZyPer4K Power Center centralizes power distribution and saves space.

The ZyPer4K Power Center provides eight 5 V DC connectors in a sturdy, 1U, rack space. Simply install the ZyPer4K Power Center in the equipment rack, connect the 5 V DC power cables, and connect the AC power cable. Up to eight 5 V DC power cables can be connected from the rear panel of the ZyPer4K Power Center to each device. Press the power switch on the rear panel to power-on or power-off the unit. When powered, the LED indicator on the front panel will glow bright orange. The ZyPer4K Power Center features a 16 A capacity (2 A per output, maximum) and a built-in circuit breaker. If the current draw is exceeded, the circuit-breaker will trip. Pressing the power button on the rear panel will reset the unit. Each power output has a grounding wire that is connected to the ZyPer4K Power Center enclosure to prevent accidental grounding and electric shock. Two internal fans maintain low temperatures, even under maximum load conditions.

## Operating Notes

- The ZyPer4K Power Center can supply power to a maximum of eight 5 V DC devices. Each device must not exceed 2.0 A / 10 W (max.). Total power consumption must not exceed 16.0 A / 80 W.
- The power LED on the front panel will indicate the current state of the unit. When the ZyPer4K Power Center is powered, the LED will glow bright orange. When the unit is turned off, the LED will not be lit.

## Features

- Centralizes power distribution for up to eight 5 V DC devices, eliminating the need for multiple power supplies
- Locking 5 V DC power connectors prevent devices from being accidentally unplugged due to cable stress
- Front-panel LED power indicator provides visual confirmation of power-on or power-off state
- Two internal fans maintain low enclosure temperatures
- Built-in circuit breaker
- Compact 1U form factor
- RoHS-compliant; built using environmentally-safe materials and construction

## In the Box

- 1 x ZyPer4K Power Center (with Rack Mount brackets)
- 8 x 3 ft (91.4 cm) locking 5 V DC power cables
- 1 x 3 ft (91.4 cm) AC power cord
- 1 x Quick-Start Guide



### Panel Layout



| ID | Name                     | Description  |
|----|--------------------------|--|
| 1  | Power LED                | This LED indicator will glow bright orange when the unit is powered.   |
| 2  | Cooling fan assembly     | Provides active cooling for the unit by directing air through the system, from front to back, keeping critical components operating at optimum temperatures. To prevent overheating, make sure that these vents are not blocked. |
| 3  | Locking power connectors | Connect the included power cables from each locking power connector to each ZyPer4K device.  |
| 4  | Power switch             | Push this button to power-on or power-off the unit.  |
| 5  | IEC power connector      | Connect the included power cord from this power receptacle to an available AC outlet.  |

## Installation

1. Mount the ZyPer4K Power Center in the rack unit, using four screws (not included). The ZyPer4K Power Center requires 1U of rack space.
2. Connect the included power cables to each of the 5 V DC locking power connectors on the rear panel of the ZyPer4K Power Center.
3. Connect each of the power cables to the 5 V DC devices. Note that each connected device must not exceed 2.0 A / 10 W (max.). The total power consumption must not exceed 16.0 A / 80 W.
4. Connect the included AC power cord to the IEC power receptacle on the rear panel of the ZyPer4K Power Center.
5. Plug the AC power cord into an available AC outlet.
6. Push the Power switch to the ON (up) position. The LED indicator on the front panel will glow bright orange to indicate that the ZyPer4K Power Center is powered.

### Troubleshooting

- If the Power LED indicator does not turn on, check the AC power cord between the IEC power connector on the rear panel of the ZyPer4K Power Center, and the AC outlet. Also, make sure that the power switch is in the ON (up) position.
- If one of the 5 V DC devices does not power, make sure that the power cord is securely fastened between the device and the locking power connector on the ZyPer4K Power Center.

## Specifications

| Item                      | Description  |
|---------------------------|--|
| Output Cables             | <ul style="list-style-type: none"> <li>• 8 x 3 ft (91.4 cm), locking connectors. Cord Plug: 2.1mm I.D. x 5.5mm O.D., Female</li> </ul> |
| Input Voltage / Frequency | <ul style="list-style-type: none"> <li>• 100 ~ 240 V AC / 47 ~ 63 Hz</li> </ul>  |
| Power Output Ports        | <ul style="list-style-type: none"> <li>• 8 x 2.0 mm, 5 V DC</li> </ul>   |
| Output Voltage            | <ul style="list-style-type: none"> <li>• 5 V DC <math>\pm</math> 5 %</li> </ul>  |
| Output Current            | <ul style="list-style-type: none"> <li>• 2 A (per port)</li> </ul>   |
| Output Current / Power    | <ul style="list-style-type: none"> <li>• 16 A / 80 W (max.)</li> </ul>   |
| Fan                       | <ul style="list-style-type: none"> <li>• 2 x internal, 5200 rpm</li> <li>• Current: 0.03 A (ea.); Power: 0.4 W (ea.)</li> </ul>        |
| Operating Temperature     | <ul style="list-style-type: none"> <li>• -13 ~ +158 °F (-25 ~ +70 °C)</li> </ul>   |
| Storage Temperature       | <ul style="list-style-type: none"> <li>• -40 ~ +185 °F (-40 ~ +85 °C)</li> </ul>   |
| Operating Humidity        | <ul style="list-style-type: none"> <li>• 20 ~ 90% RH, non-condensing</li> </ul>  |
| Storage Humidity          | <ul style="list-style-type: none"> <li>• 10 ~ 95% RH, non-condensing</li> </ul>  |
| Unit Weight               | <ul style="list-style-type: none"> <li>• 5.29 lb (2.4 kg)</li> </ul>   |

