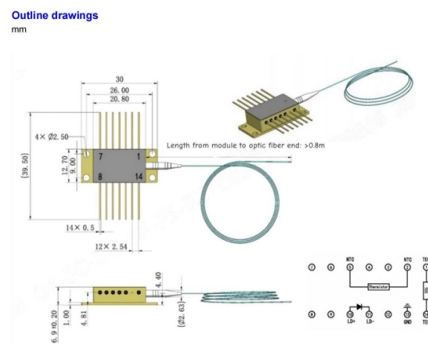


How to connect an integrated power supply



AI Overview

The integrated power supply should be connected to the device's dedicated power input ports, such as the AC or DC input jacks for electronics, or the CPU power socket on a motherboard for PCs. For Desktop PCs, the CPU requires a dedicated power connection from the power supply unit (PSU). Locate the CPU power socket on the motherboard, usually near the top-left corner close to the processor and VRM heatsinks. This socket is often labeled CPU_PWR, ATX_12V, or EPS12V and typically accepts a 4-pin, 8-pin, or 4+4-pin EPS/CPU connector from the PSU. Connect the corresponding cable from the PSU to this socket. Ensure it is fully seated, as a loose or missing connection can prevent the system from booting or cause unstable operation. The main 24-pin motherboard connector powers other components, but the CPU relies on this dedicated 12V feed for proper function. For Other Electronics, Devices with integrated power supplies often have AC and DC input jacks. For example, a radio or similar device may have an AC Input jack for household power or a DC Input jack for external battery or car adapter use. Connect the included AC power cord to the AC input jack and plug it into a standard electrical outlet. If using a DC adapter, insert the plug into the DC input jack and connect the other end to the appropriate power source, such as a car cigarette lighter socket. This automatically switches the device from internal batteries to external power. Safety Tips: Always ensure the power supply is disconnected before making connections. Verify the voltage and polarity match the device specifications. Avoid confusing CPU, PCIe, or peripheral power cables, as incorrect connections can damage components. For modular PSUs, use only the cables provided for the intended port. By following these guidelines, your integrated power supply will safely and eff...

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