

KTI Products Powered By USB (v1.1)



Part Name

USB DC power cable

Description

USB Series "A" Plug to DC Plug cable

Application

The USB port on the common computers provides an output of 5V/500mA, equally 5V/2.5Watt, for the connected USB devices. With an USB DC power cable, the USB power is applicable to KTI's network devices and serves as a handy power, and eliminates the need for extra power adapters and occupation of limited AC power sockets.

Specification

USB Connector: **USB Series "A" Plug**

DC Connector: DC Power Plug

Cable: 2 wires (22AWG)

Length: 100cm

Color: Black

Pin Assignment:

USB Series "A"	Cable Wire	DC Plug
1	V _{BUS}	2.0mm (+)
2	NC	-
3	NC	-
4	GND	5.5mm (-)

USB Electrical

USB High-power Port	Min.	Max.
Voltage (V _{BUS})	4.75V	5.25V
Current	500mA	

Connection

1. Connect the USB “A” plug end of the cable to an USB High-power port for power source.
2. Connect power plug end of the cable to the KTI network device.



Installation Notes

1. The cable must be connected to USB High-power port for power source.
2. The power source maybe shared by other USB powered devices. Make sure it can deliver 500mA for the cable to the KTI network device.
3. When connected to an USB hub, the result is unpredictable, since other devices connected to the hub are sharing the limited DC power. When power is insufficient, the network device would operate incorrectly.



Application Product List

The following products have been verified that are compatible to the specified USB DC cable.

Model	Product Description
KGC-300	1000Base-T to 1000Base-X Gigabit Media Converters
KGC-311	Industrial Multimode to Single Mode Optical Fiber Media Converters
KC-300D	10/100Base-TX to 100Base-FX Media Converters
KC-300DM	10/100Base-TX to 100Base-FX Media Converters
KCD-303P-A	Industrial 3-Port Fast Ethernet POF Media Converter Switches
KCD-303P-B	Industrial 3-Port Fast Ethernet POF Media Converter Switches