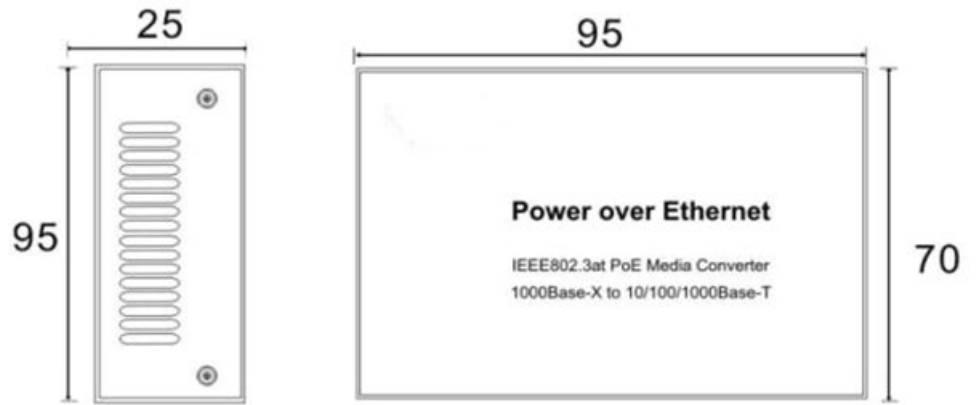# APTEK AP110-S-PoE

PoE+ Media Converter

APTEK AP110-S-PoE is PoE+ Media Converter 1000Base-X Fiber-optic (GE SFP Slot) to 10/100/1000Mbps Ethernet Twisted pair 802.3at/af PoE.

APTEK AP110-S-PoE is an IEEE 802.3at/af Power over Ethernet Injector that provide DC 52V over Ethernet cables. To inserts DC Voltage into Cat.5 / 5e / 6 cables, allowing the cable between Media Converter and PoE PD (Powered Device) to transfer data and power simultaneously. The maximum distance between the Injector (Switch) and PoE PD is 100 meters (100/1000Mbps).

PRODUCT OUTLOOK

Left view

There are one RJ-45 Twisted-Pair Port, one SFP Slot Port and six LED indicators.

Right view

There are two DIP Switches.

One DIP Switch for Link Fault Pass Through (LFP) feature, "ON" to turn-on the LLCF and LLR detection. And "OFF" to turn off this feature. Another one for 10Mbps feature, "ON" to change the data transfer rate of RJ-45 to 10Mbps. Then the device can transfer HD videos and extend the transfer distance of RJ-45 to 250 meters simultaneously. And "OFF" to turn off this feature.
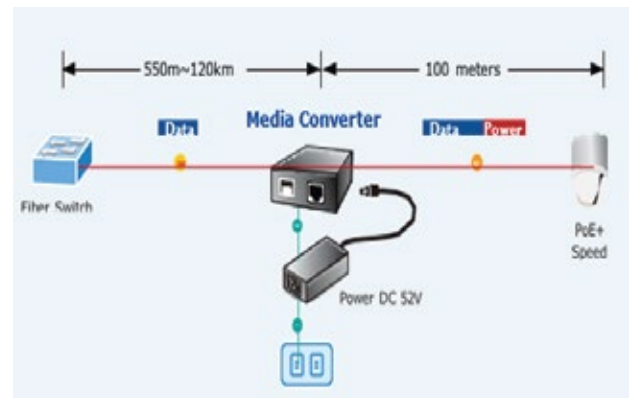
Also one DC 47V ~ 57V power socket for the PoE+ Media Converter.

POE FUNCTION

AP110-S-PoE equips an AC-DC adapter with DC 52V input and it injects the DC power into the pin of the twisted pair cable (Pin 1, 2, 3 and 6).

If there is any IEEE 802.3at / 802.3af devices need to power on, the AP110-S-PoE can provide you a way to supply power for this Ethernet device conveniently and easily.

TECHNICAL SPECIFICATION

Standard	IEEE 802.3 / 802.3u / 802.3ab, 10/100/1000Base-T, IEEE 802.3at/af Power over Ethernet standard, 1000Base-X
Connectors	One RJ-45 (Auto-MDI/MDI-X) Twisted Pair, EIA568 with PoE One GE SFP Slot Port
Data Transfer Rate	10/100/1000Mbps (TP), 1000Mbps (Fiber)

Duplex mode support	Full or Half-duplex mode by Auto- Negotiation (TP)
PoE Power Output	DC 52V, Max. 30 Watts
Power Pin Assignment	1/2, 3/6
Power Supply	DC 52V, 0.58A, external AC-DC adapter
Ambient Temperature	-20° to 60°C (operating)
Humidity	5% to 90% (non-condensing)
Dimension	95 x 70 x 25mm

LED INDICATOR

SYSTEM

LED	Color	Function	
PWR	Green	**Light**	Indicate the device is powered

10/100/1000Base-T Port

LED	Color	Function	
LNK/ACT	Green	Blink	Indicate that the PoE+ Media Converter is actively sending or receiving data over that port.
		Light	Indicate that the port is link up at 10/100/1000Mbps.
		Off	Indicate that the port is link down.
PoE	Green	Light	Indicate that the port is providing DC 52V to remote powered device.
		Off	Indicate that the port is not providing DC 52V to remote powered device.

1000Base-X Fiber Port

LED	Color	Function	
LNK/ACT	Green	Blink	Indicate that the PoE+ Media Converter is actively sending or receiving data over that port.
		Light	Indicate that the port is link up.
		Off	Indicate that the port is link down.
SD	Green	Light	Indicate that fiber port is receiving optic signal
		Off	Indicate that fiber port is not receiving optic signal