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## RUT10x POE

RUT10x allows to feed power into RUT100 device through Ethernet cable. It is simplified PoE (not compliant with IEEE802.3af standard!!!).

In RUT10x power can be carried over the spare pairs (RJ45 pin 4/5 & 7/8) only. Power feed through data pairs (RJ45 pins 1/2 & 3/6) is not allowed, this can destroy RUT10x device.

RUT10x's internal circuit is not isolated from RJ45 power pairs, and there is no any power provision process.

Required parameters of RUT10x PoE power injector:

Output voltage: 18-21VDC

Polarity on spare pairs (RJ45 pin 4/5 & 7/8) can be either.

Output current: min 600mA at 18VDC

Required isolation between primary and secondary side 1500VAC.

Estimated maximum distance from power injector to RUT100 about 15 - 30m.



**Figure 1.** PoE power injector