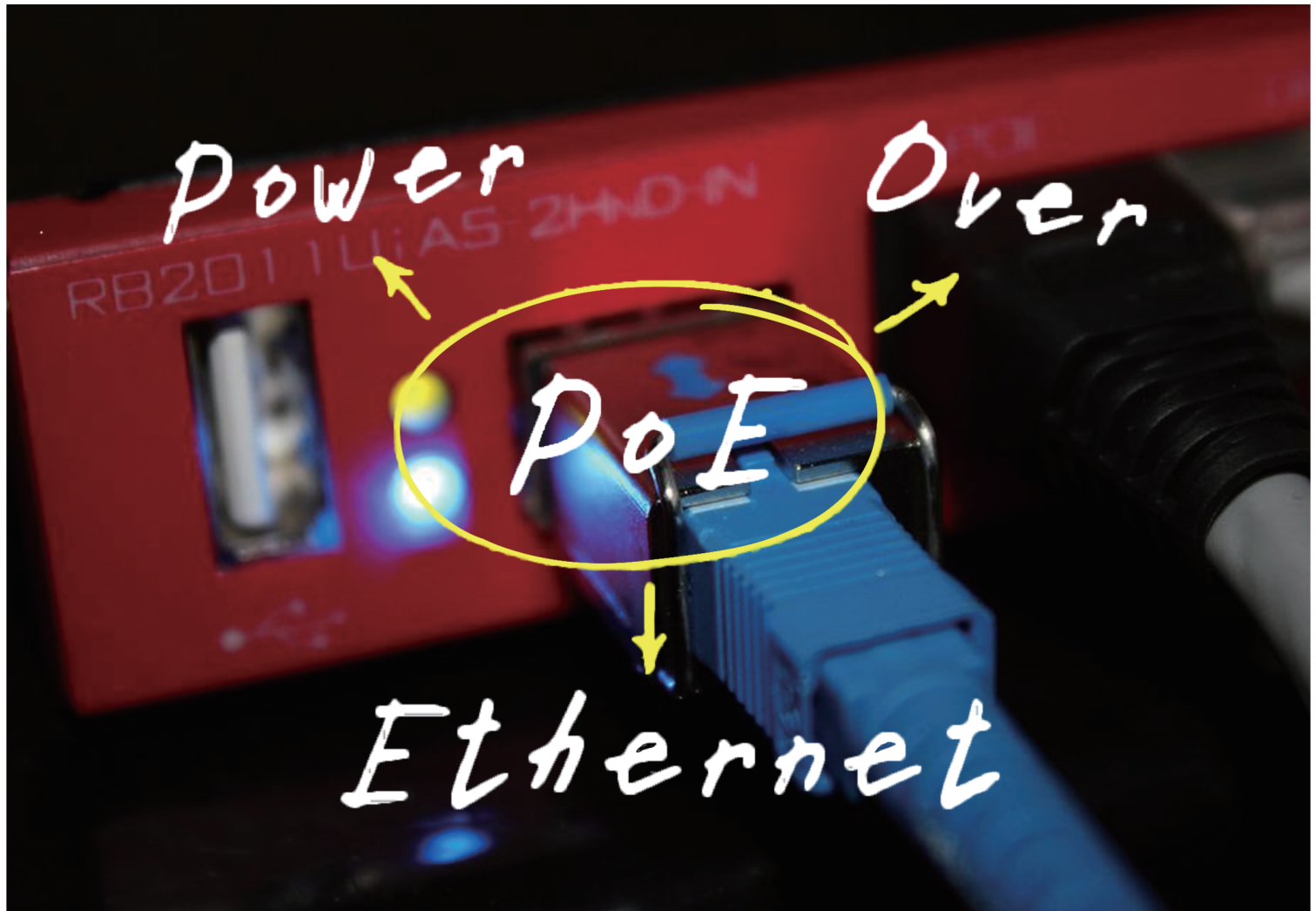


PoE Transformers

We are the leading LAN and PoE transformer manufacturer



Links Your Future



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PoE Transformer Features

- The Watts range for the standard core type EP is 3W–70W
- For the low-profile core shape EFD this is 8W–90W
- The wattage from 3W to 90W
- Frequency range from 200KHz to 500KHz
- Various topologies including flyback and forward
- Compatible with IEEE PoE standards including IEEE 802.3af, at, and bt
- High efficiencies and lower EMI

Item	Reference Power	Circuit Topology	Mounting	Dimension(mm)	Core Material
EP-7	5W - 8W	Flyback	DIP / SMD	9.5*8*11	Mn-Zn
EP-10	8W - 10W	Flyback	DIP / SMD	12*12*11	Mn-Zn
EP-13	10W - 45W	Flyback / Forward	DIP / SMD	13.5*15*14	Mn-Zn
EPD-13	20W - 70W	Flyback / Forward	SMD	13.5*16*14.5	Mn-Zn
EPD-13.3	10W - 30W	Flyback / Forward	SMD	13.5*15*10	Mn-Zn
EPC-13	10W - 25W	Flyback / Forward	DIP / SMD	14*14*8	Mn-Zn
EPC-17	18W - 40W	Flyback / Forward	DIP / SMD	19*18*10	Mn-Zn
EPD-15	15W - 40W	Flyback / Forward	DIP / SMD	16*16*9	Mn-Zn
EPD-17	20W - 54W	Flyback / Forward	DIP / SMD	18*18*10	Mn-Zn
EPD-20	25W - 75W	Flyback / Forward	DIP / SMD	22*21*12	Mn-Zn
EPD-25	35W - 100W	Flyback / Forward	DIP / SMD	26*26*14	Mn-Zn
EPD-30	40W - 130W	Flyback / Forward	DIP / SMD	31*31*15	Mn-Zn



Efficiency improving

Efficiency improvement as shown in the diagram

Reduction of PCB size

EPD-13: 18.6mm * 14mm = 260.4mm²
 EPD-20: 30.4mm * 20.1mm = 611.04mm²
 EPD-13 reduces the PCB size by about 350 mm² compared to EPD-20

Reduced EMI issues

The shielded EPD-13 core reduces EMI

Reduced cost

The cost of EPD-13 is lower compared to EPD-20

Efficiency (Si34061 b2 flyback pds5100)

