External Power Supply

12 Volts (regulated and filtered) 1.5 Amp min @12V, CEE/EEC EN60950 standard compliant.

EasyClocking recommends using the AC adapter supplied inside the Xenio device box. If you are using an external power supply, we recommend using a gauge AWG20 for a 12V power supply.

The voltage measured on the product block connector of the terminal must be equal to 12V (-15% / +10%).

The table below, shows the maximum voltage drop between the power source and the terminal, depending on the length of the cable.

Gauge AWG	Diameter (mm)	Maximum Drop Voltage (Volts)		
		at 1m	at 5m	at 10m
20	0.81	0.03	0.17	0.33
22	0.64	0.05	0.26	0.53
24	0.51	0.08	0.42	0.84

It is strongly recommended to use a class II power supply 12V @ 1.5A, in conformity with Safety Electrical Low Voltage (SELV). The power supply cable length should not exceed 10 meters.

Power Over Ethernet (PoE)

Power can be provided through RJ-45 connector using a PSE (Power Sourcing Equipment) thats meets the IEEE 802.3af standard or PoE+ IEEE 802.3at.

The Xenio series devices are (Class 3 - 15.4W) and (Class 4 - 30W) PD (Powered Device).

Connect the device using a Cat5 or Cat6 Ethernet cable up to 300 ft (92m).

PoE Class	Output power of power sourcing equipment PSE (Watts)	Power consumed by Xenio devices
3	IEEE 802.3af = 15.4W	Xenio 50: 4-6 Watts
		Xenio 200: 5-7 Watts
		Xenio 250/500: 5-7 Watts
4	PoE+ IEEE 802.3at = 30W	Xenio 700: 6-8 Watts