

«LuPo becomes the best compromise Radio Range/Power consumption/Noise immunity for WSAN (Wireless Sensor & Actuator Network) applications»



- *Long radio range (up to 6 km in line of sight)*
- *Long battery life (up to 12 years)*
- *High noise immunity*
- *Backward-compatibility with WineCap™ systems*
- *In case of critical applications radio coverage can be extended up to 16 times using battery powered routers (eg. manhole covers for smart water metering applications)*

Capetti Elettronica further improves its own **WINECAP™** wireless technology with new **LuPo** version (*Long Radio Range*).

LuPo becomes the best technological compromise for IoT applications.

RF parameter modification, data rate and sensor activities reduction, even maintaining the automatic routing fundamental feature, allowed a great improvement of whole performances.

Above all the new **LuPo** product line guarantees the backward-compatibility, that means actual **WINECAP™** probe/datalogger can be added or substituted with a new **WINECAP™ Lu Po** probe/datalogger.



Energy Monitoring



Museum Monitoring



Structural Monitoring

	WineCap™	WineCap™ LuPo	Competitor SRD	Provider WAN	
				A	B
Radio Range	800m	6Km	5Km	15Km	15Km
Energy Consumption	35µA	25µA	50µA	100µA	200µA
Criptography and Network Key	Yes	Yes	?	?	?
Radio Coverage Extension	Up to 16 times using battery powered router	Up to 16 times using battery powered router	No	No	No
Transmission Channels	8 in channel hopping	8 in channel hopping	1	3	3
Bidirectionality	Yes	Yes	No	No	No