

Protégé Power Solutions:

Modern PC's consume **60W to 250W!** Besides being prone to power failures, viruses and eventual lethargic performance, PC's are power hogs.

In contrast, Protégé touchcontrollers are embedded, low heat, yet high-performance interfaces. As convenient in-wall sentinels located in high traffic areas, they are virus resistant, **consume FAR less power**, generate less heat, save money and are always-on for spontaneous interaction / access to applications, content and communication.

Protégé21 with Intel Atom 1.6GHz CPU:

1. With DC+12V Input, CPU full-power run, LCD on: **39W**.
2. With DC+12V Input, Idle, LCD on: **34W**
3. With DC+12V Input, Idle, LCD off: **18W**

Protege15 with Intel ATOM 1.6GHz CPU:

1/6th that of a modern PC

1. Running at its full power (LCD on, playing video/music with max volume): **31.0W**
2. Idling with LCD on: **23.8W**.
3. Idling with LCD off: **13W**

Protégé10 with Intel ATOM 1.6GHz CPU:

1/6th that of a modern PC

1. Running at its full power (LCD on, playing video clip/music with max volume): **20W**.
2. Idling with LCD on: **15W**.
3. Idling with LCD off: **12.4W**

Protege8a with Intel ATOM 1.6GHz CPU:

1/8th that of a modern PC

1. Running at its full power (LCD on, playing video/music with max volume): **17.7W**.
2. Idling with LCD on: **15.8W**
3. Idling with LCD off: **13W**

Protege8, 8lt with AMD GEODE LX800 CPU:

1/12th that of a modern PC

1. Running at its full power (LCD on, playing video/music with max volume): **12W**.
2. Idling with LCD on: **9.5W**.
3. Idling with LCD off: **7.4W**

Protégé 6 with RISC 336Mhz CPU

PoE onboard!

1. Running at full power:
2. Idling with LCD on: **4.8W**

PoE options for Protégé on following page



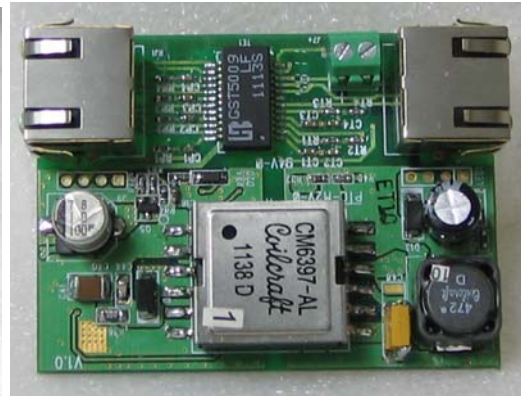
PoE Voltage Source Gear Requirement (IMPORTANT):

IEEE Std. 802.3af limits PSE power delivery to **<13W** at PD input (Type 1 PD). Pro4, Pro6

IEEE Std. 802.3at allows for **13W-25W** power levels (Type 2 PD). Pro8, Pro8a/w, Pro10

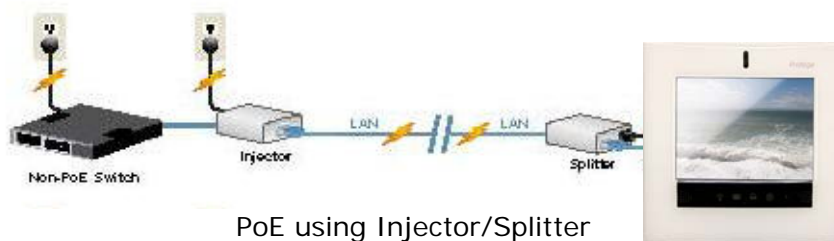
Borg PoE Splitter Option: \$45

IEEE802.3at PoE Module provides 25-Watts max.

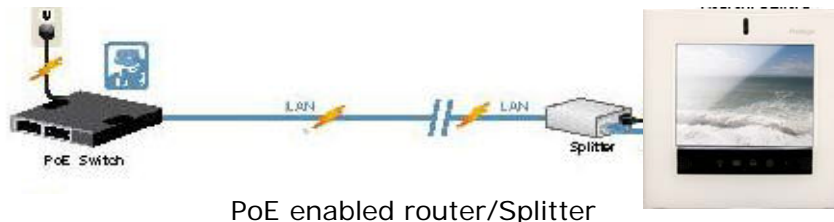


Borg's PoE Splitter module is the smallest in the world. Fits within bbox of Protégé 10

Protégé 8/10 offer single cable power/Ethernet solutions using off-the-shelf PoE components



PoE using Injector/Splitter



PoE enabled router/Splitter