Barix Application Note AN101, "PoE with Barix Products"

Introduction:
This Application Note describes which Barix products can be used with PoE and the implications of doing so.

Most Barix products do not provide built-in PoE capabilities, but they can be connected using typical low-cost external adapters to standard Power over Ethernet switches and other power sources.

Recommendation:
Barix recommends the use of the Dlink DWL-P50 PoE Splitter. Please note you need to set the selector switch to "12V". The device has been tested by Barix and found to work well with the following products:

Exstreamer-100,-110
Instreamer-100
Annuncicom-100
Barionet

Exstreamer-200: The Exstreamer-200 can also be used with the DWL-P50. However, due to power sourcing limits, when used with this adapter, the max. output power provided to the speakers is approx. 2x4W. This is suitable for many applications; for example, the Barix offices are being supplied with background music by such a configuration.

Exceptions to the recommendation:
Annuncicom-200: The Annuncicom-200 has built-in PoE capabilities, so no external adapter is required.

Annuncicom-1000: this product is **not** compatible with the DWL-P50, as it needs a higher supply voltage. A different adapter (sourcing 18V, 24V or 48V) can be used. The max. power of standard PoE is sufficient for this product. Barix does currently not recommend a specific adapter.

Connection:
In general, the PoE Splitter power and network outputs are connected to the Barix device, and the Network+Power input of the Splitter is connected to the far end (typically a switch).