3rd Party PoE Adapter Use: F-Series & G-Series

This document stands to act as a procedural guide for when using a 3rd party PoE adapter with the HandReaders, both F-Series & G-Series\(^1\). Schlage has performed testing to confirm that when using a PoE adapter\(^2\), the HandReader will operate normally; so long as the minimum power requirements are met. Please use the following instructions as a guideline for initial set up of the Wi-Fi adapter.

Setup Summary of the PoE Injector and PoE Splitter (One-on-One)

*Host --> Switch --> PoE Injector --> PoE Splitter --> HandReader*

1. Connect from a host PC to a network switch via an Ethernet cable
2. Connect another Ethernet cable from the network switch to "LAN IN" on the PoE Injector
3. Connect between "Power/Data Out" of PoE Injector and "Power/Data In" of PoE Splitter by using Ethernet cable
   a. It is important to note the distance between the PoE Injector and PoE Splitter. PoE supported distances may vary depending on the manufacturer\(^3\).
      i. Power degradation could occur if lengths are exceeded, which could have undesirable effects in the performance of the HandReader.
4. Connect power cable to the PoE Injector
5. Connect "LAN OUT" from PoE Splitter to HandReader Ethernet port
6. Connect "DC OUT" from PoE Splitter to HandReader power port
   a. It is important to ensure that the outputting power is at least 12V at 1A.
   b. It is important to ensure that the power (barrel) connector is compatible with HandReader.
      i. Power degradation could occur when inadequate power is outputted from the splitter, which could have

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\(^1\) F-Series models include: all HandPunch & HandKey models that have Ethernet enables. G-Series includes the GT-400.

\(^2\) PoE Device Detail: Model Name & Number; TP-LINK PoE Adapter Kit: TL-POE200

\(^3\) The TL-POE 200 maximum transfer length is 100 meters (330 ft)