

Basic Setup

NOTE: The stacking, latching, and power methods described in the following steps, is an EXAMPLE of how to setup all M3-SE stack configurations.

No matter what module configuration you are using, setup is always the same. There are some modules that are designed to be only on the top and some on the bottom. In this example, the primary router is the M3-SE3, which contains a 5915 ESR and an ESS 2020 switch. The battery, M3-SE-PA, used with this configuration, supports wide-range external input/output (10-30 VDC) power. If used as a battery backup, the M3-SE-PA can run a router under normal conditions (no PoE+) for approximately four (4) hours. If two routers are stacked (running in parallel) together, the battery can power both modules concurrently for approximately two (2) hours.

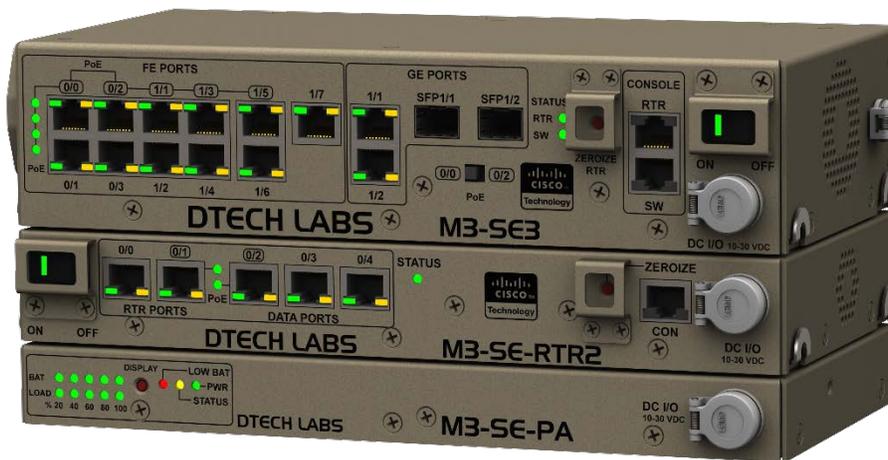


Figure 1: Basic Configuration Example

Module Setup

To get started:

1. Unpack and inspect each of the modules to ensure that there has been no physical damage during transit. Packing materials should be saved to facilitate factory return in the event of damaged goods.
2. Ensure M3-SE modules are placed in a clean and dry environment.
3. Ensure there is a minimum of three (3) inches (~7.5 cm) clearance from any air intake/exhaust vent, power switch, or physical ports.

To setup modules:

1. Ensure the main power switch is off. **NOTE:** If you are setting up more than one module, ensure the power switch is off on ALL of them.

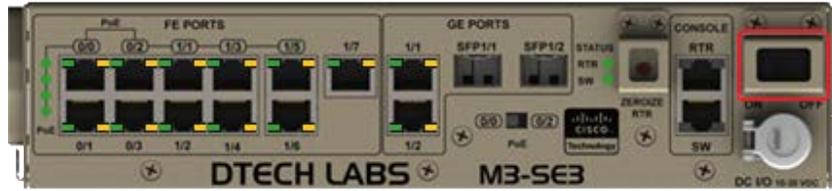


Figure 2: Ensure Power Switch is Off

- 2. Ensure all four side clips on the upper module(s) are in the extended position.

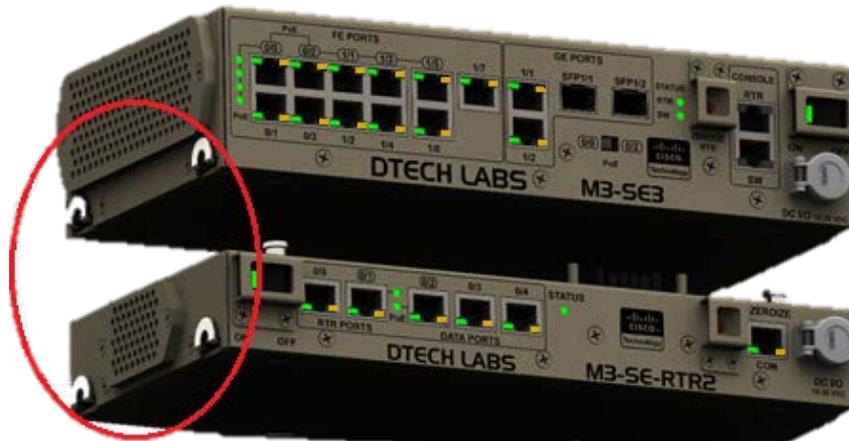


Figure 3: Four Side Clips

- 3. Stack the applicable modules on top of each other. Properly align the bushings and power pass-through connectors so they slide easily into their respective slots. **NOTE:** If the modules do not align properly, do not apply additional pressure; remove the module and repeat.

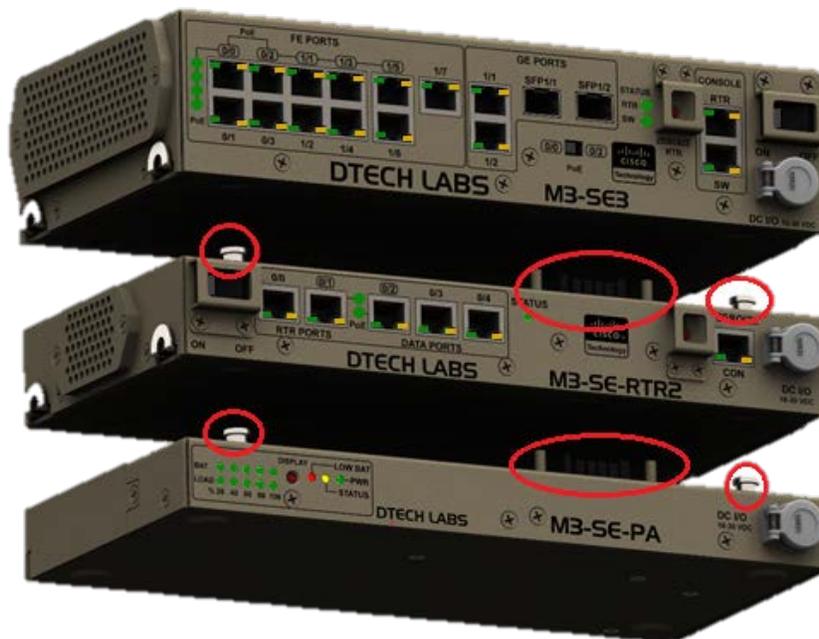


Figure 4: Align the Modules to Each Other

Electrical Connection Setup

The modules are supplied with a M3-DPS2 power supply (power supply). One end has a 3-prong plug and an AC plug that connects to the power supply, the other end has a LEMO connector that attaches to the front and/or side of the M3-SE module. When power is applied to one of the DC I/O ports using the LEMO connector, the DC I/O ports on the attached modules can be used to power external devices (i.e., INE) as long as the voltage matches what is plugged in. For example, if the volts for the DC I/O port where the LEMO connector is plugged is 24, then the DC I/O ports on the attached modules can only be 24. If no power supply is connected and the modules are operating solely on battery power, the DC I/O ports are not live.

To hook up power connection:

1. Connect the two sections of the provided power supply.
2. Connect the LEMO end of the plug to the DC I/O 10-30 VDC port on the front of the M3-SE module. **NOTE:** If there is more than one module, it is recommended that the LEMO connector be plugged into the M3-SE-PA (the module on the bottom one in the stack) and the other end into the power source.

