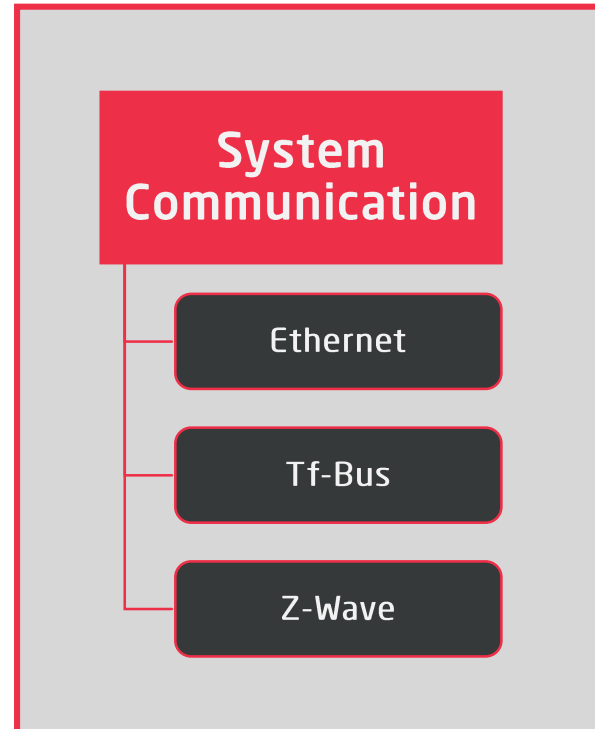




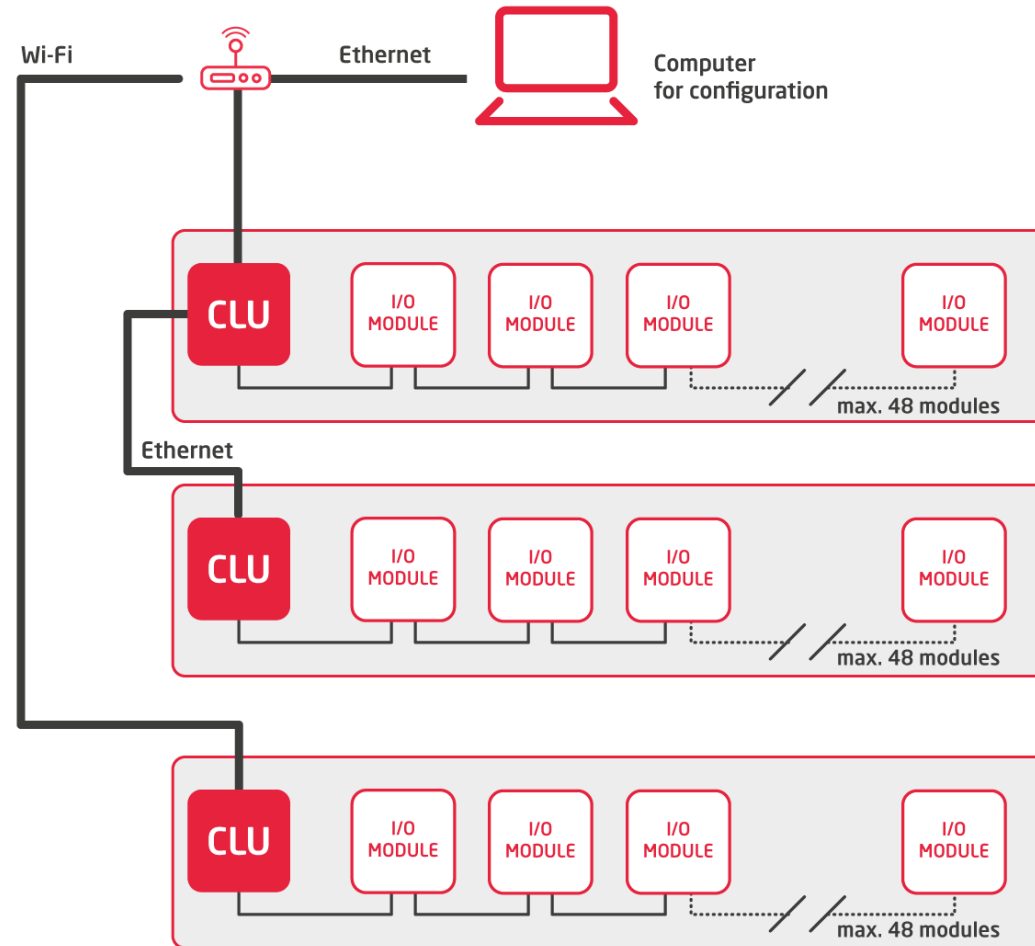
Installation Guidelines

Introducing Grenton System & Wiring
v.1.0 - 30.08.2018

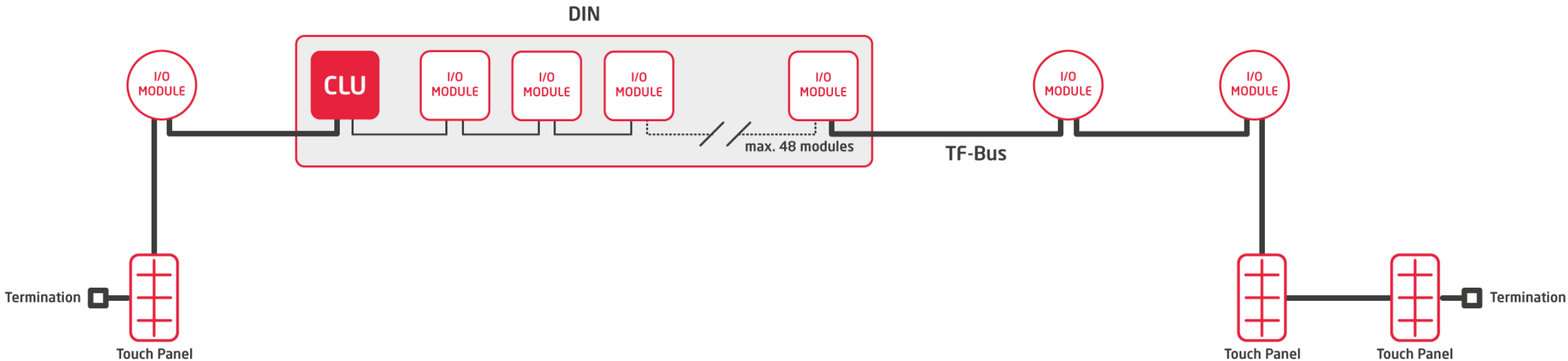
| Grenton - System Architecture



System Communication - Ethernet & TF-Bus

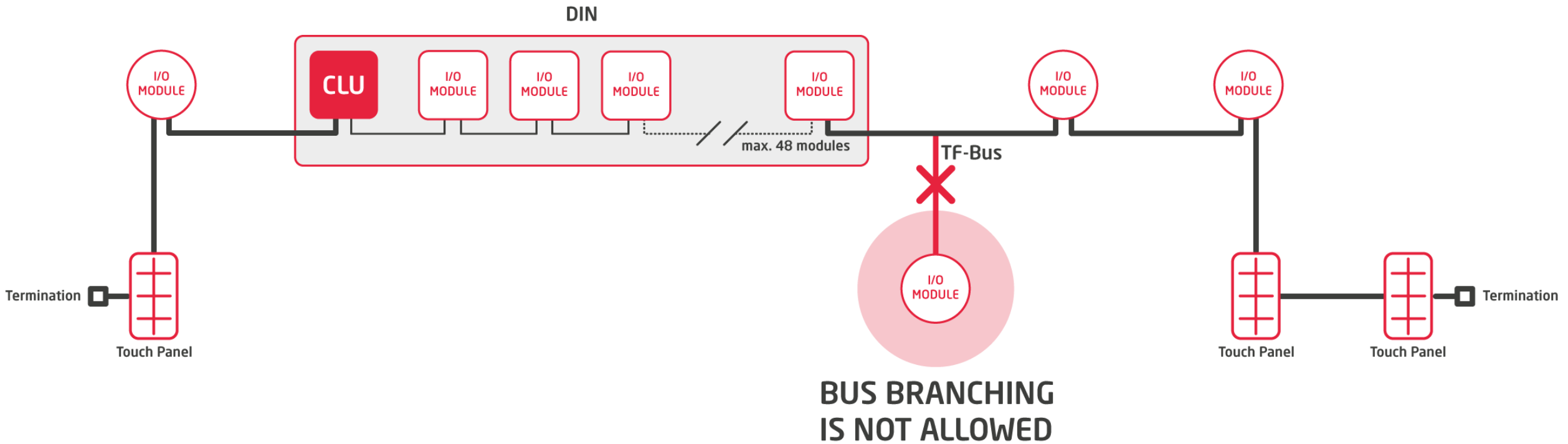


System Communication - TF-Bus

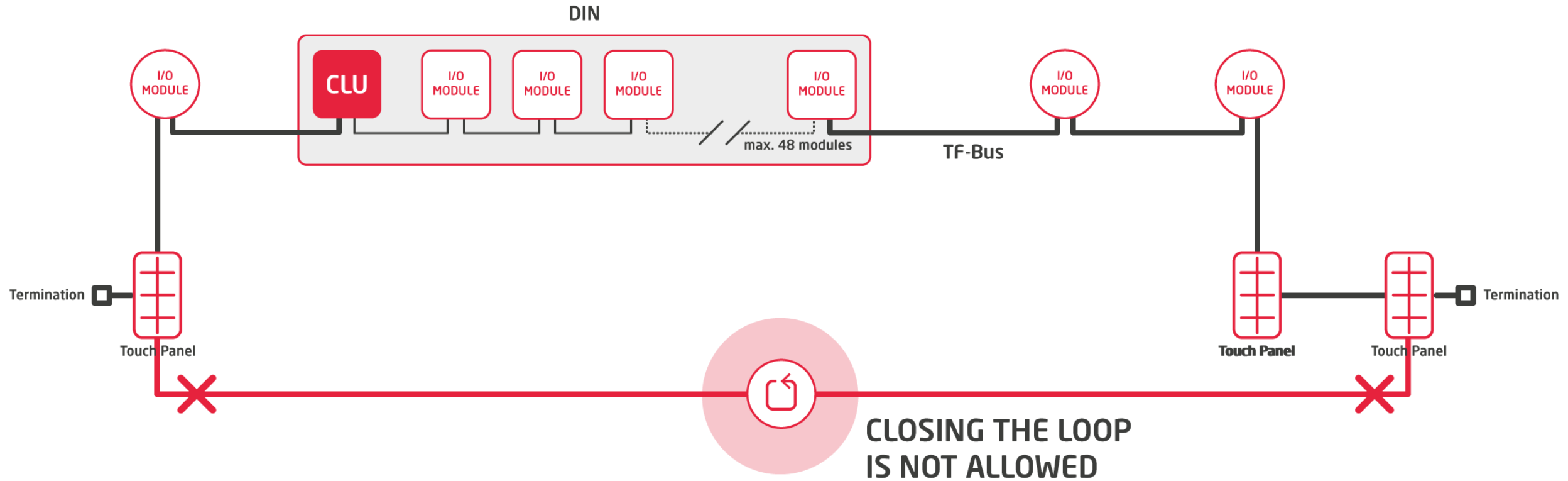


Constant wave impedance cable
(i.e. UTP / FRP min. cat. 5)
maximum overall length of 300 m

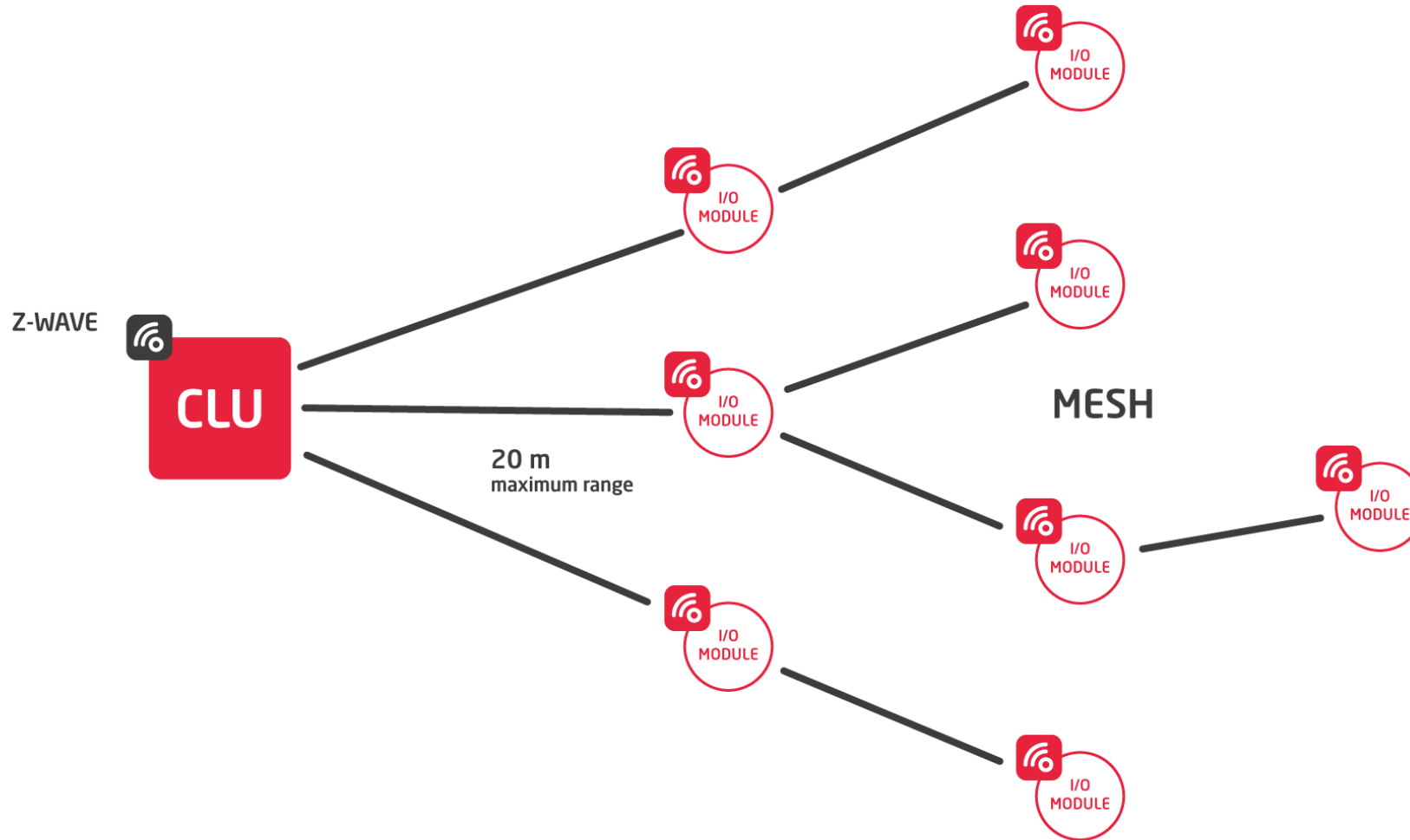
System Communication - TF-Bus



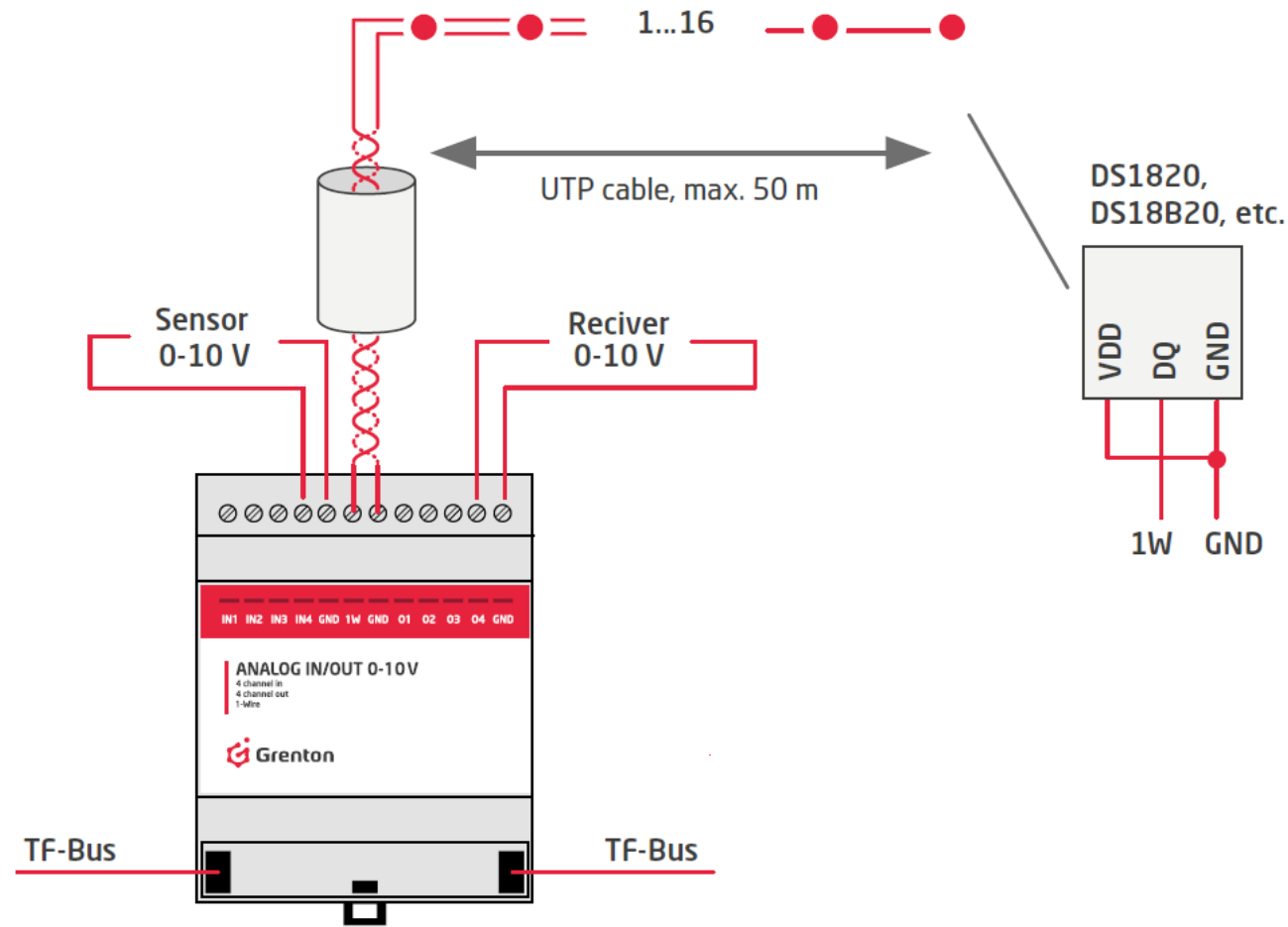
System Communication - TF-Bus



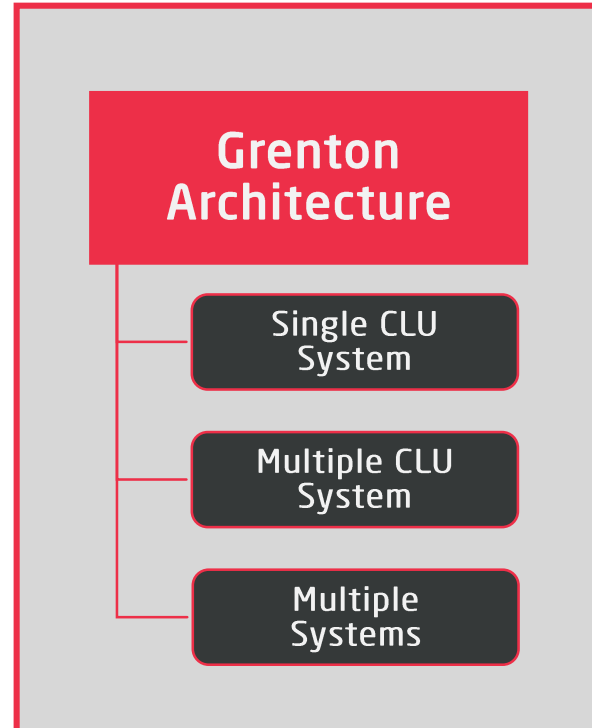
| System Communication- Z-Wave



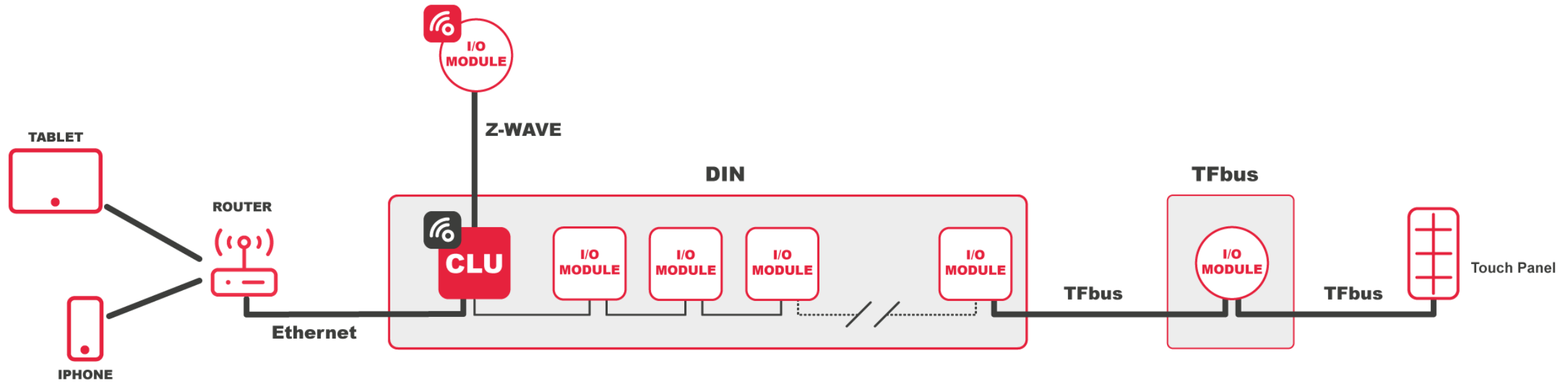
| System Communication - 1-Wire



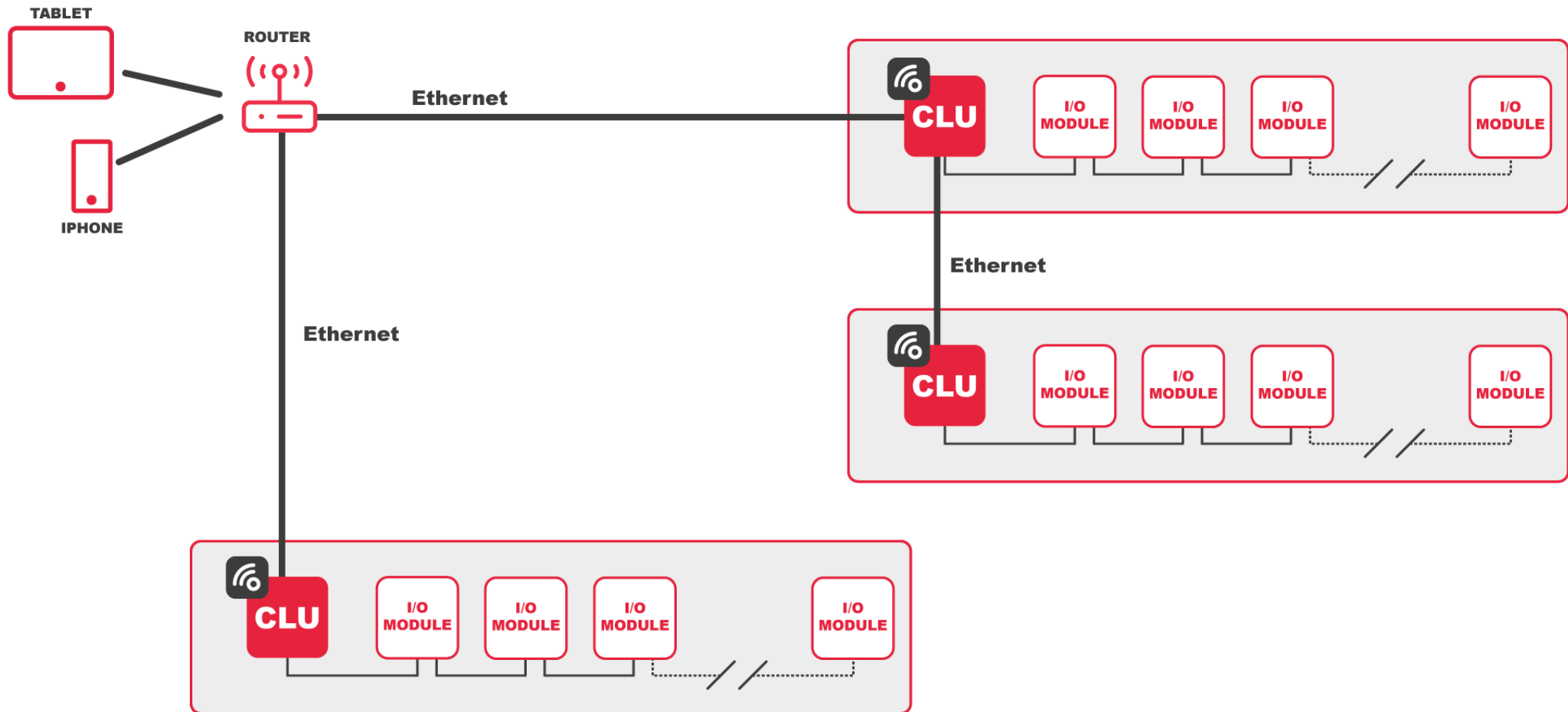
| Grenton - System Architecture



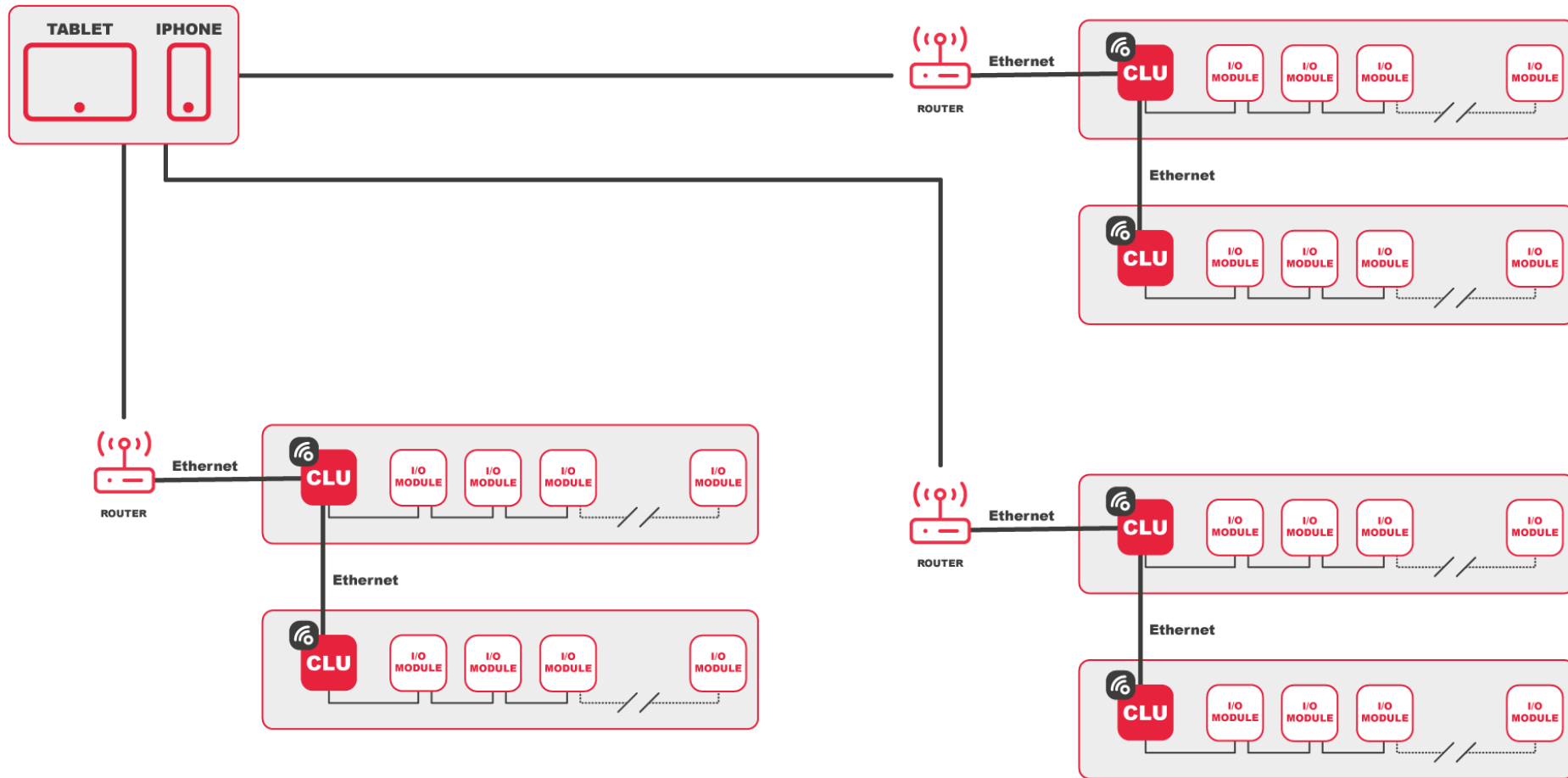
| Single CLU



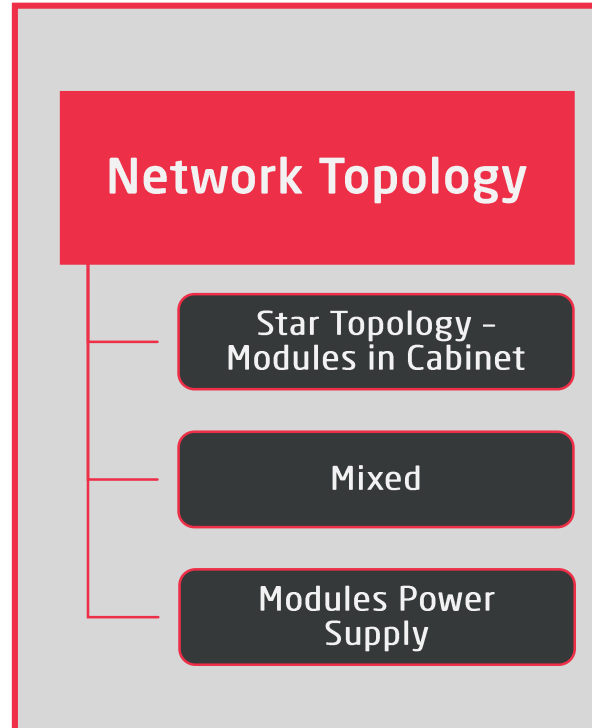
| Multiple CLU



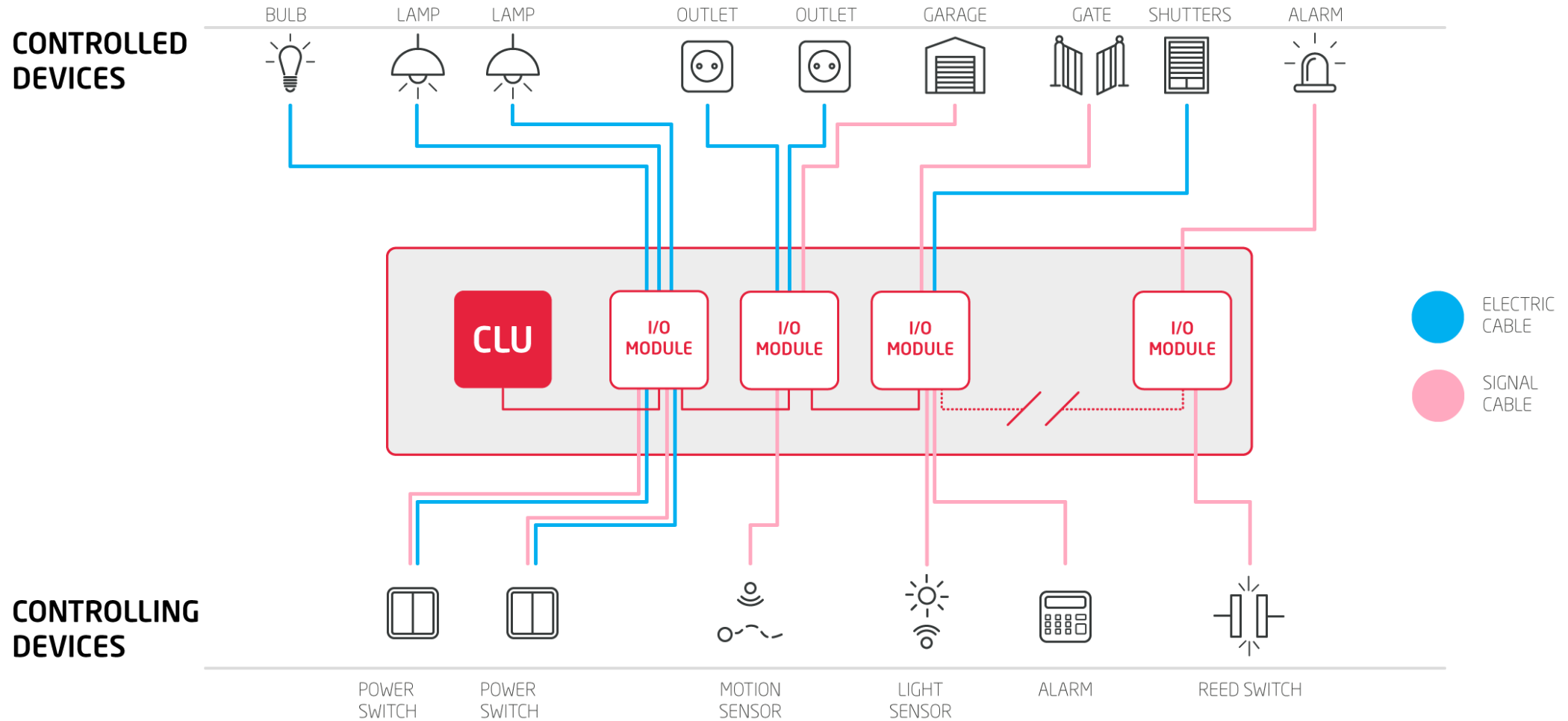
Multiple Systems with Common HMI



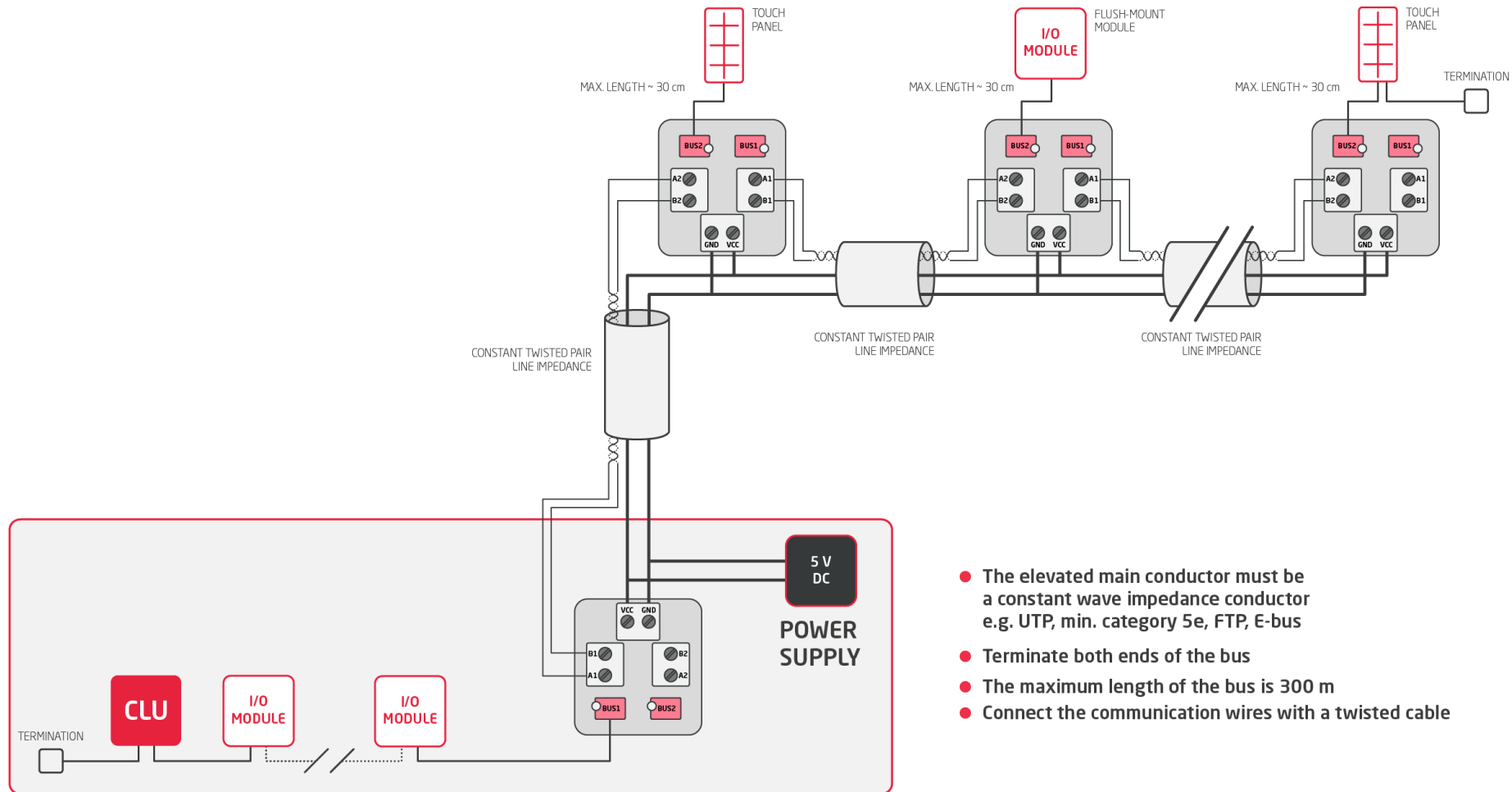
| Grenton - System Architecture



Star Topology- Modules In Cabinet

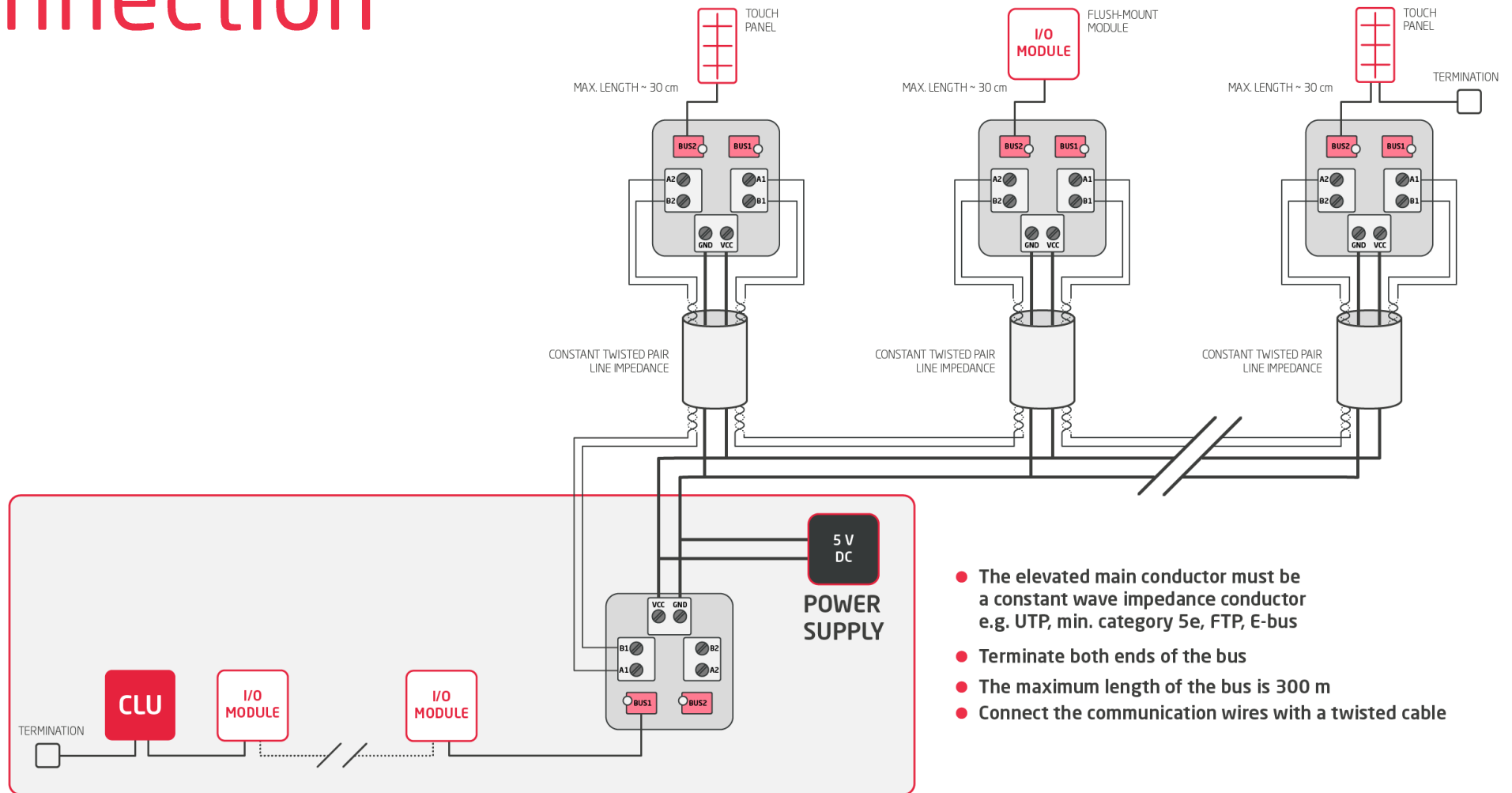


System Communication - TF-Bus



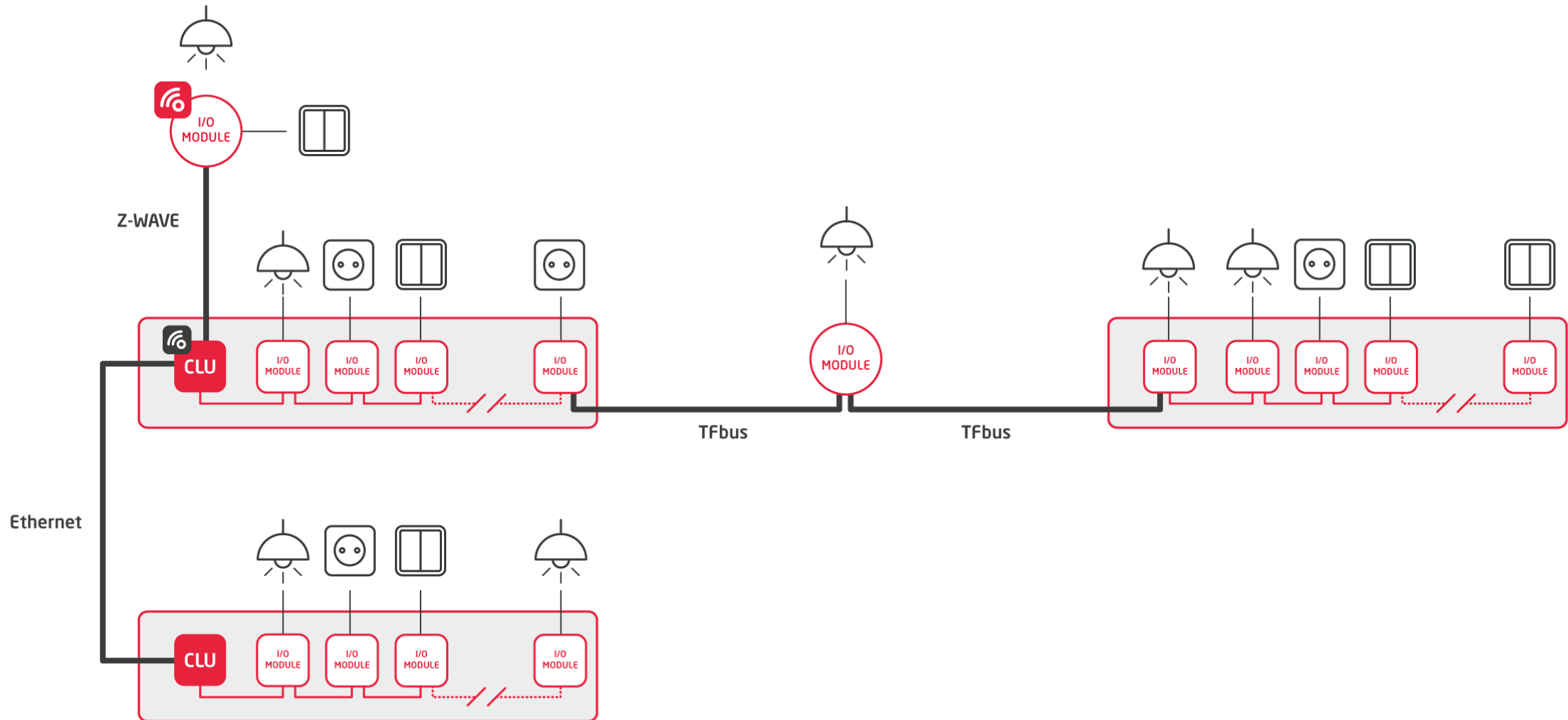
- The elevated main conductor must be a constant wave impedance conductor e.g. UTP, min. category 5e, FTP, E-bus
- Terminate both ends of the bus
- The maximum length of the bus is 300 m
- Connect the communication wires with a twisted cable

System Communication - Star Connection

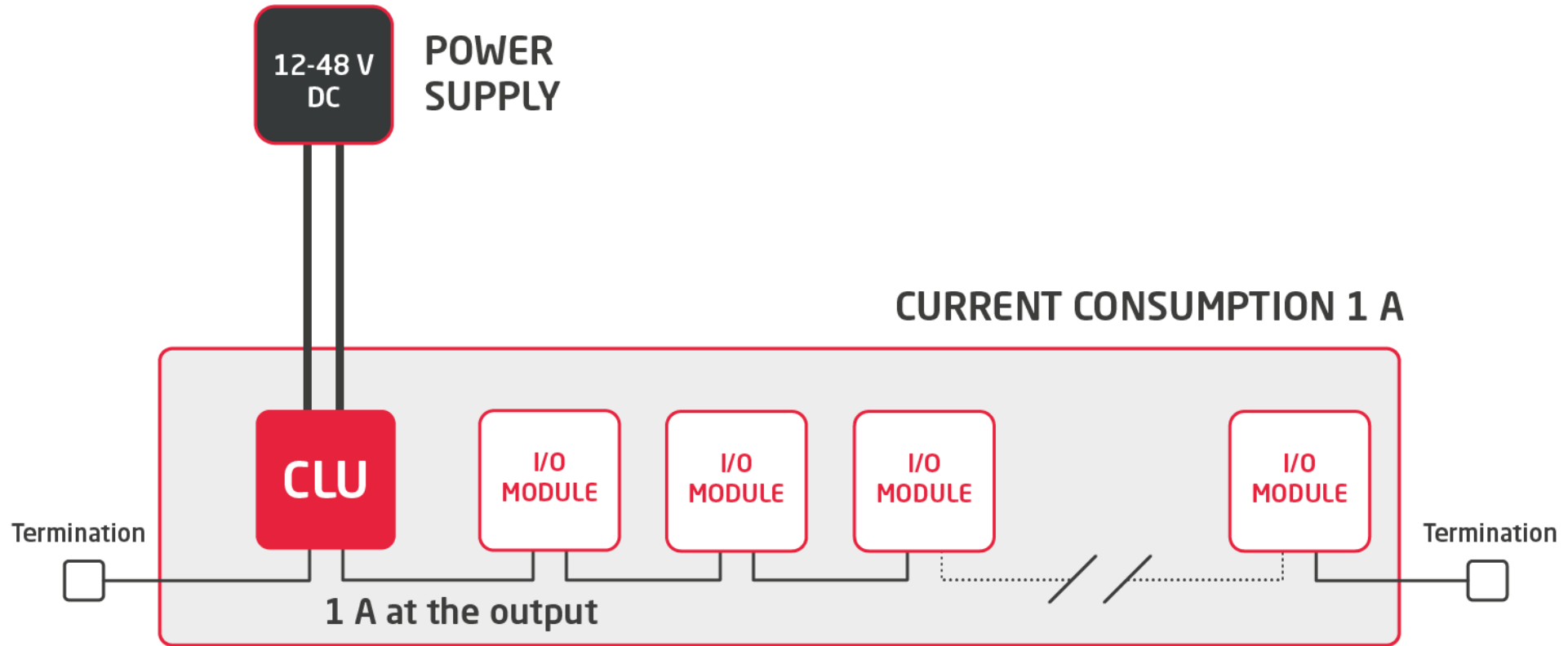


- The elevated main conductor must be a constant wave impedance conductor e.g. UTP, min. category 5e, FTP, E-bus
- Terminate both ends of the bus
- The maximum length of the bus is 300 m
- Connect the communication wires with a twisted cable

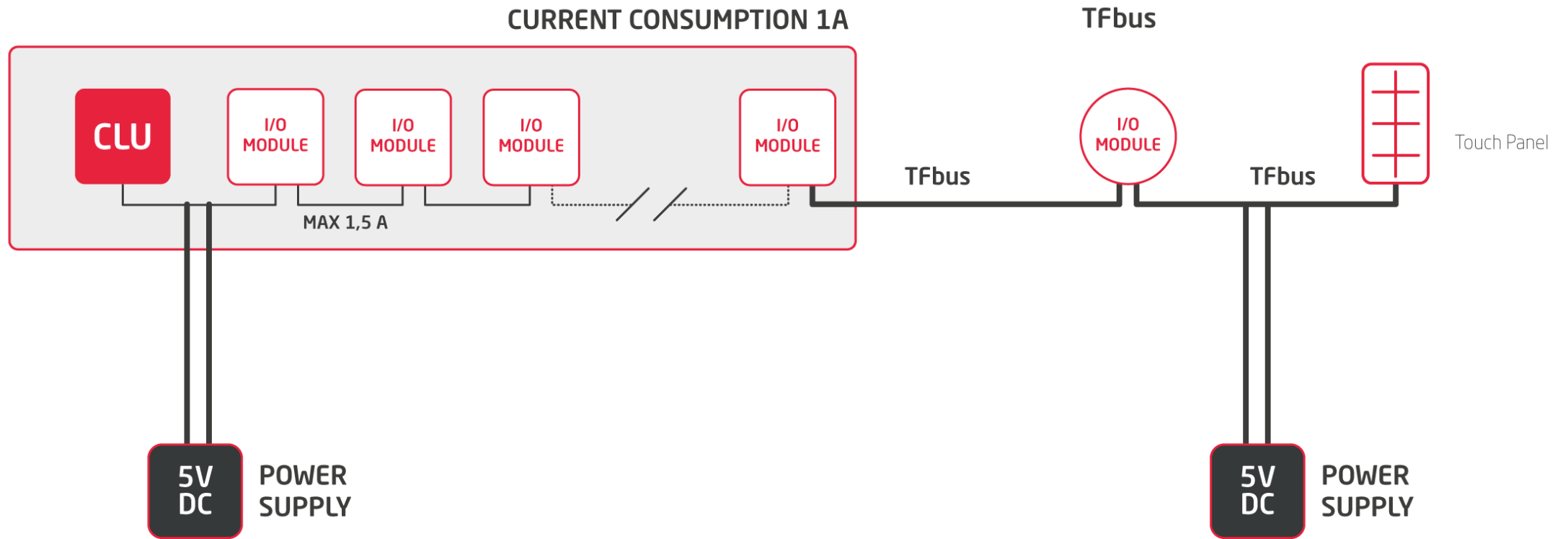
Mixed Installation



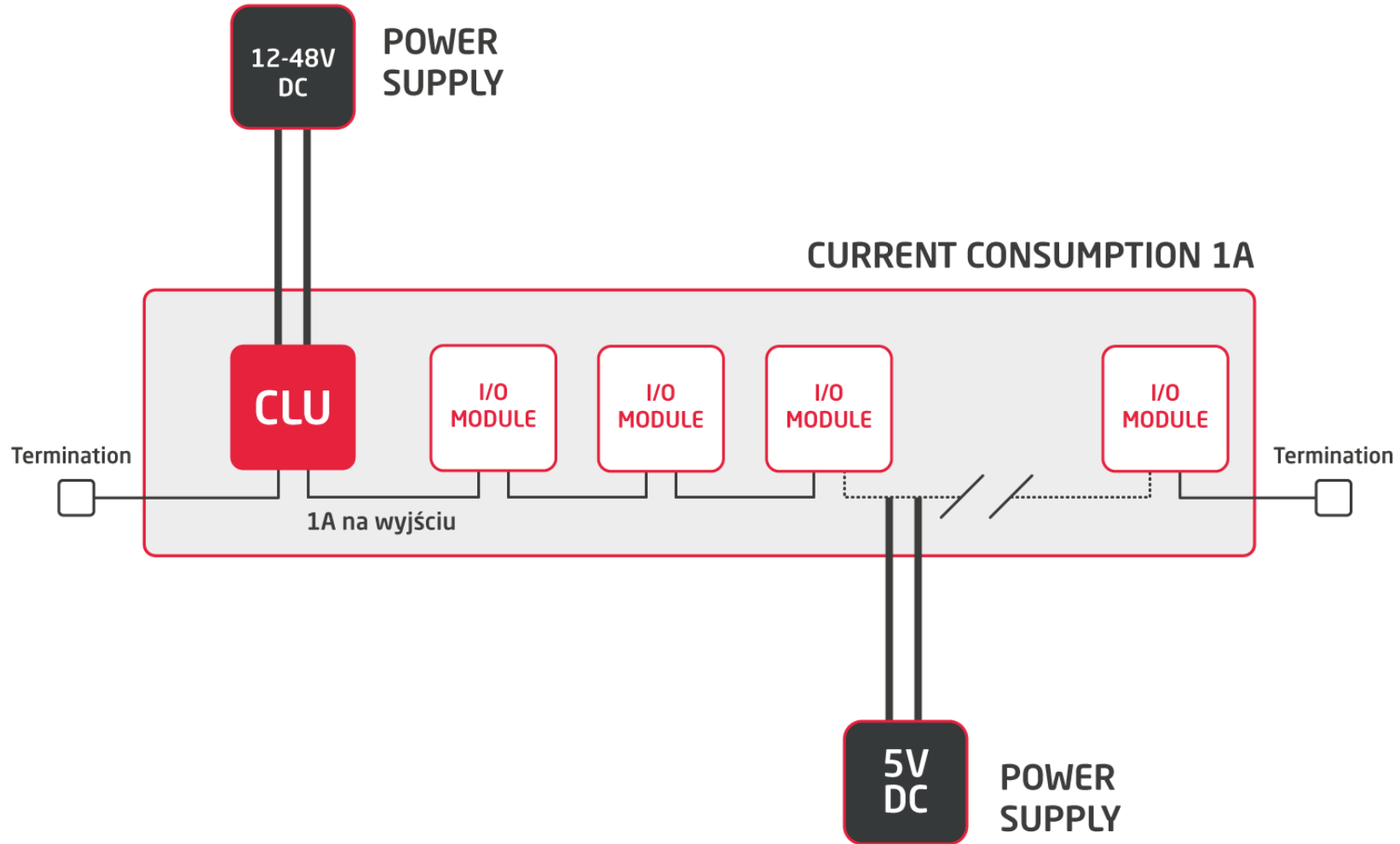
Modules Power Supply



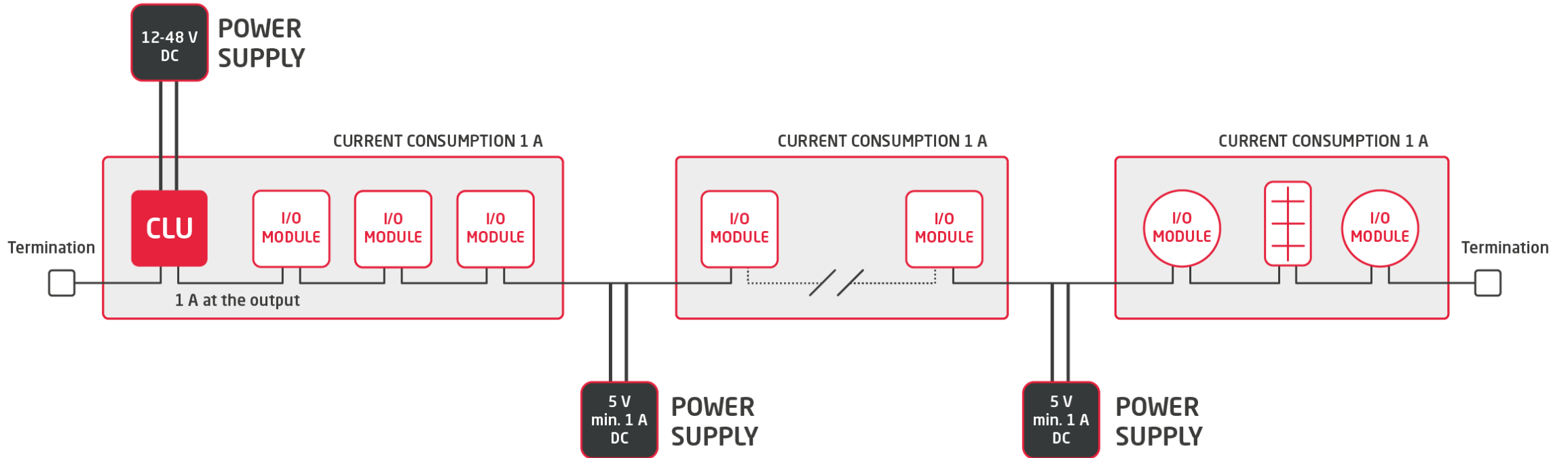
Modules Power Supply



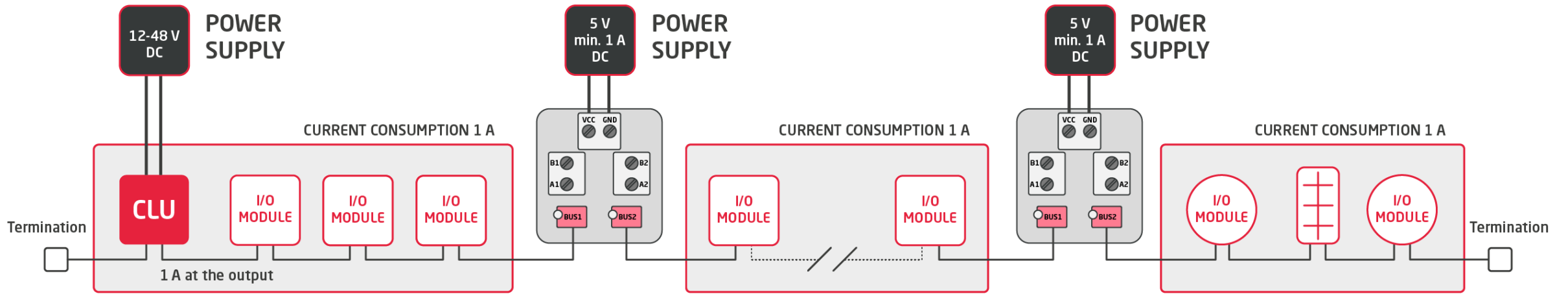
Modules Power Supply



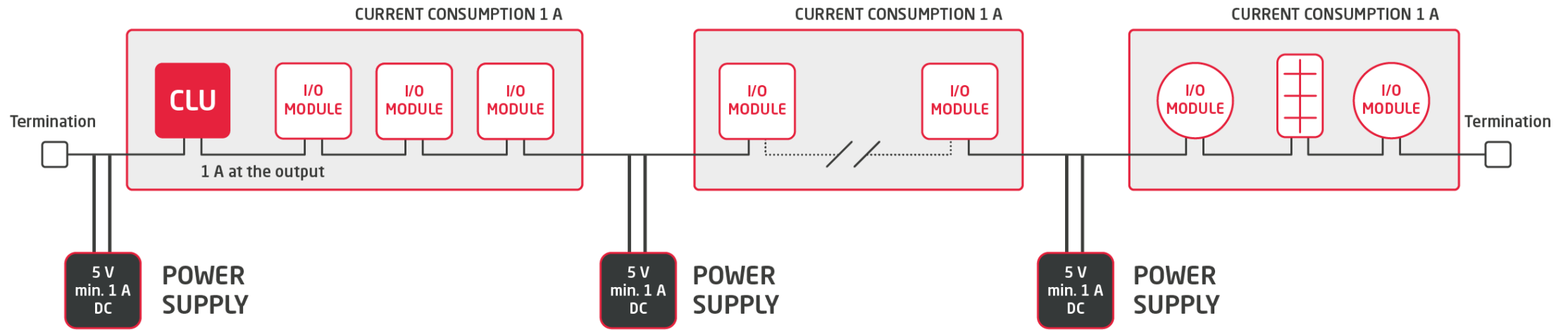
Modules Power Supply



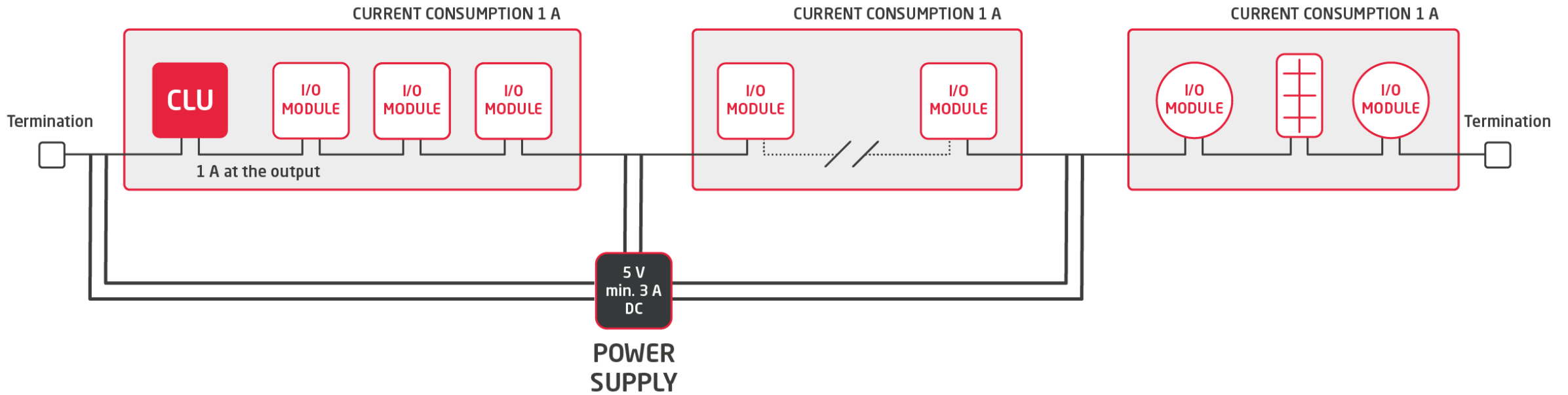
Modules Power Supply



Modules Power Supply



Modules Power Supply





Thank you!

Grenton

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