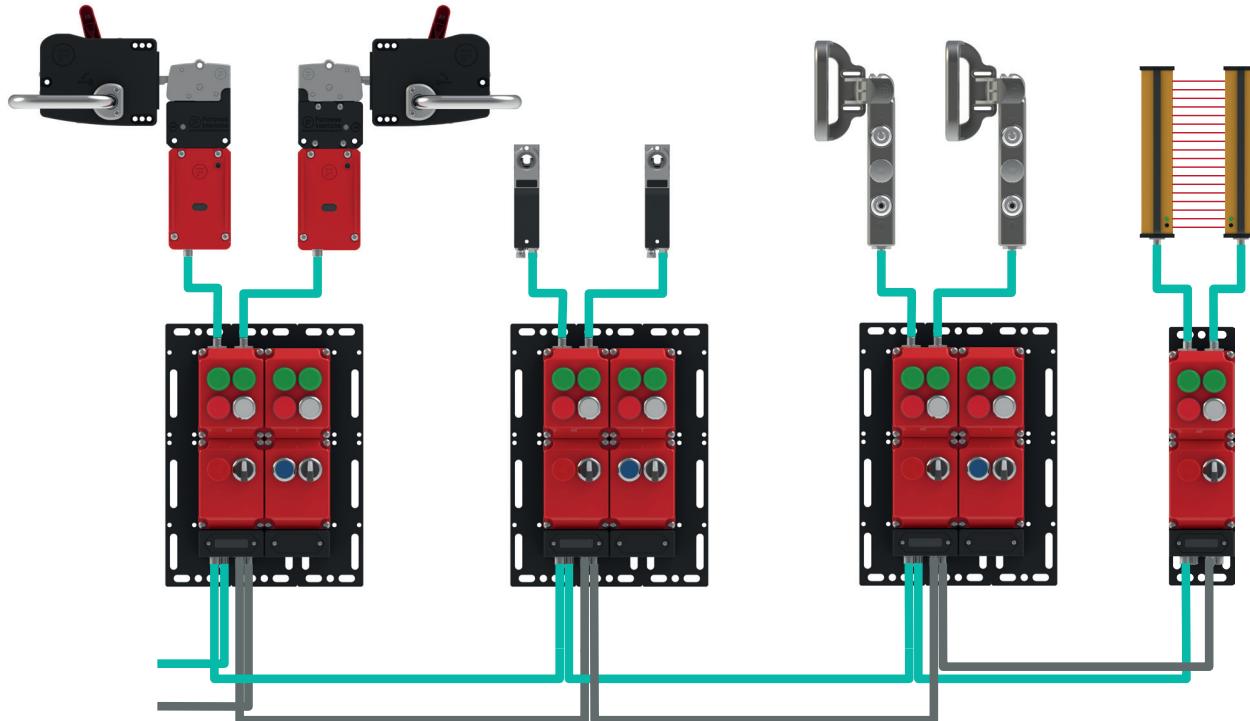


## How the technology works?

Control and safety communication are transmitted over a single Ethernet cable plugged into the Fortress Unit. 3 dual channel safety inputs are supported with 1 dual channel safety output.

An example application of this functionality for machine guarding is two safety switches and an E-Stop connected to a single *proNet* module. Non-safe I/O can be expanded up to requirements.

The *proNet* module also houses an integrated network switch to allow daisy chain connections to other Ethernet network devices. Power can also be daisy chained to other Ethernet or hardwired devices.



### Functional Limits

- 3 Safety Inputs, 1 Safety Output
- Standard Internal I/O is Extendable Up To 32 Inputs & 32 Outputs
- Standard External I/O is Extendable Up To 16 Inputs & 16 Outputs – This allows 2 x 8 Pin quick disconnects for tower lights (or other I/O) and for 2 x 12 Pin quick disconnects containing safety and standard I/O to interlocks or other safety devices.
- Total Power Input limit to a *proNet* Control Stations is 2 Amps. (Non Power Over Ethernet Versions)
- 550mAmps of Power Output is available per External I/O Quick Disconnect – Enough to power an *amGardpro* Solenoid Gate Switches from each Control Station QD
- Bit Assignment Available from Configurator. Get In Contact with Fortress to find out more.
- EDS / GSDML Files Provided for Integration