Do I need one or two power supplies / USB / Ethernet cables when two Lauterbach debug modules are connected together via PodBus?

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It depends on which **PodBus** connectors are used:

- **PODBUS IN:** PowerDebug USB 2.0, PowerDebug Ethernet, and PowerTrace/Ethernet have a **PODBUS OUT** and a **PODBUS IN** connector. Debug modules connected via PODBUS IN form one chained debug system in which the first module acts as master. All modules in the chain share the same clock, trigger bus, and power supply, so only the master module needs to be connected to the PC.

- **PODBUS SYNC**: PowerDebug USB 3.0, PowerDebug II, PowerDebug PRO, as well as the PowerDebug X and E series, have a **PODBUS OUT** and a **PODBUS SYNC** connector instead of a PODBUS IN connector. Modules connected via PODBUS SYNC synchronize their clocks and can trigger each other, but the connector does not provide power. Each module therefore needs its own power supply and a separate USB or Ethernet connection to the PC/workstation running TRACE32 PowerView.

In summary, for two connected modules:

- Master with PODBUS SYNC, slave with PODBUS IN → one USB/Ethernet cable and one power supply, both connected to the master.

- Master with PODBUS IN, slave with PODBUS SYNC → two USB/Ethernet cables and two power supplies, one connected to each module.