

# U70 PL-20 USB Network Interface Module

The U70 PL-20 provides a USB to LON PL-20 network interface for the SmartServer IoT and other edge servers. It is a compact DIN rail compatible companion module to Dialog's SmartServer IoT and other edge servers for communicating with LON PL devices.

The U70 PL-20 features a one to three-phase 100 – 277 VAC power line coupler for direct attachment to a LON power line (PL) channel. It also features a 24VDC power supply for powering a SmartServer IoT or other edge server from the attached power mains.

You can add up to four U70 PL-20 interfaces.

## **i** Installation consideration

When using multiple U70s make sure the SmartServer is powered first before plugging in all but the first U70, and plug in each additional U70 one at a time. You only have to do this once during the initial U70 installation.

You cannot install more than a total of five network interfaces (U60 or U70) and IOX modules in a single SmartServer. If you have five total, or if you have four and require a spare USB port, use a powered USB 3.0 compliant hub and plug all the U60 and U70 network interfaces into the hub. Always plug any IOX modules directly into the SmartServer and do not plug them into a hub.

If you are using an IOX I/O Expansion Module, always plug the IOX into a USB port on the SmartServer and do not plug it into a USB hub.



## Models

The following table lists the U70 model and description.

Model #	Product Name	Product Description
75070R-70	U70 PL-20 USB Network Interface Expansion Module	USB interface to LON/IP PL-20 and LON PL-20 power line carrier networks

This section describes the U70 PL-20 hardware and provides hardware setup instructions and contains the following topics:

- [Using the U70 Connectors](#)
- [Using the U70 PL-20 LEDs and Buttons](#)
- [U70 PL-20 Specifications](#)
- [U70 PL-20 Regulatory Compliance Statements](#)