

CEM-RF

Wireless RS485 communication



The RF Communication Extender Module is for customers who want to avoid running communication cable between buildings, or to remote, hard-to-get-to devices or locations.

The RF Communication Extender Module (CEM-RF) includes two paired Phason Wireless Adapters: one coordinator (PWA-EC) and one standard adapter (PWA-ES). For examples showing how the coordinator and standard adapters work together, see the section below.

The wireless adapters have a line-of-sight range of 1 mile, and an indoor range of up to 300 feet. The indoor range can vary depending on the building structure and interference from other electrical devices.

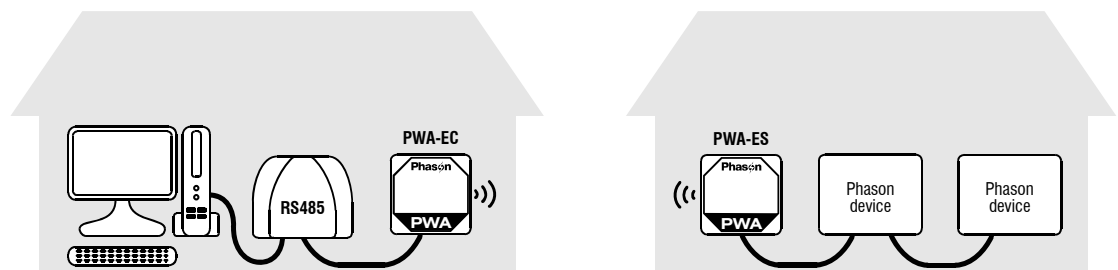
Features

- ◆ Outdoor, line-of-sight range of up to 1 mile
- ◆ Indoor range of up to 300 feet
- ◆ Quick and easy installation
- ◆ Multiple 12 VDC power options (sold separately):
 - ◆ Draw power from a Phason device
 - ◆ Use a Phason Regulated Power Supply (RPS)
 - ◆ Use a plug-in adapter that provides between 9 and 14 VDC, such as the Phason PA12-800
- ◆ Rugged enclosure (corrosion resistant, water resistant, and fire retardant)
- ◆ 90-day limited warranty

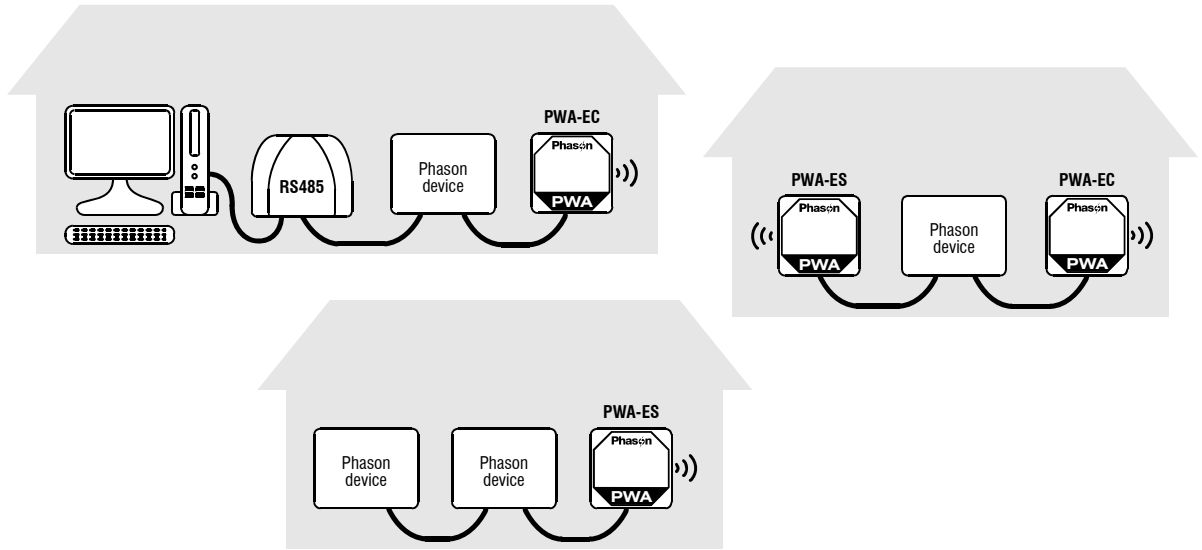
Typical applications and examples

Typical applications include using the CEM-RF in place of expensive trenching of underground CAT5 cable. The CEM-RF is also ideal for reaching devices that are normally mounted outside or in remote locations, such as See Level Sensors or Feed Level Sensors. The CEM-RF works with all Phason networkable devices except OMNI Power Blocks.

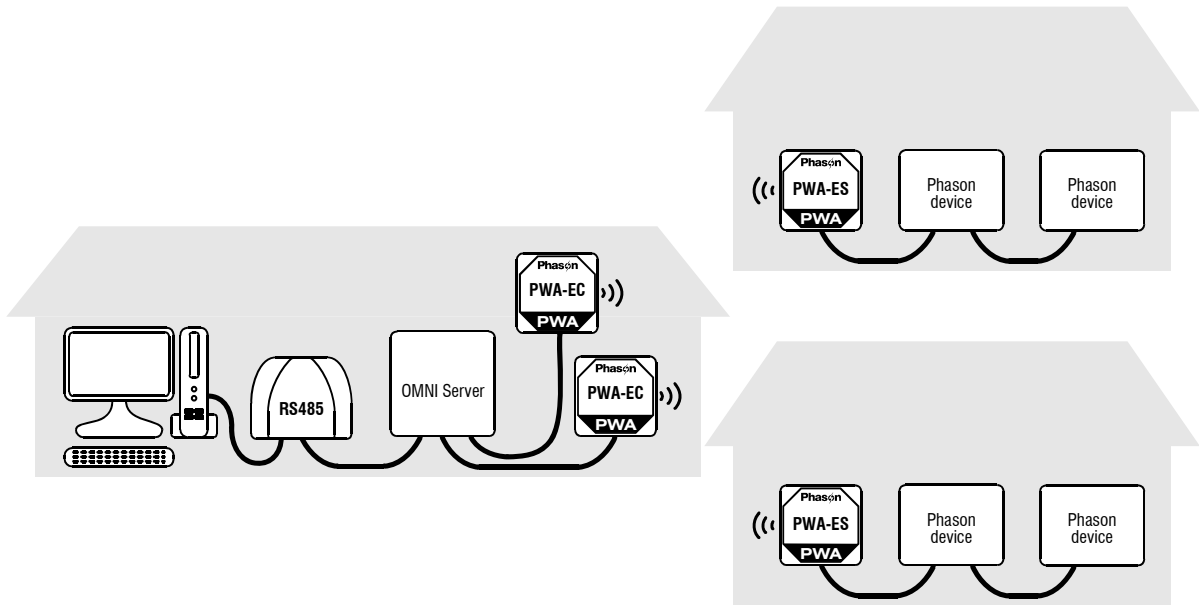
Example 1 -- single communication channel, single extender module



Example 2 -- single communication channel, two extender modules



Example 3 -- two (or more) communication channels, two extender modules



Additional information

For more information about Phason products, contact your dealer or visit www.phason.ca.