# ARG Integration Overview

Modules · Gateways · Instruments

*Connecting ARG products to your systems and the cloud.*

## Overview

ARG modules, gateways, and instruments are built to drop into existing infrastructure and report to the cloud or your own systems with minimal integration effort. This overview summarizes the connectivity options, data paths, and a typical bring-up flow.

## Connectivity options

| Interface | What it's for |
|---|---|
| **Modbus RTU (RS-485)** | Bridge legacy field devices; integrate with SCADA / BMS |
| **Modbus TCP/IP** | Modbus over Ethernet 10/100 |
| **Power Line Communications (G3-PLC)** | Mesh networking over existing AC wiring — no new cable runs |
| **Cellular (LTE-M / NB-IoT)** | Remote sites with no local network |
| **Wi-Fi 802.11 b/g/n** | Facility / campus networks |

## Data paths & security

| | |
|---|---|
| **To the cloud** | MQTT to ARG Cloud, or to your own on-premises MQTT broker / SCADA / BMS |
| **Firmware** | Over-the-air (OTA) firmware updates managed by ARG Cloud |
| **Security** | TLS to the cloud; AES / ECC encryption on G3-PLC networks; wired media avoid over-the-air exposure |

## Typical bring-up

| | |
|---|---|
| **1. Power** | AC-line powered modules / DIN-rail gateways — no separate supply |
| **2. Choose comms** | Select Modbus, Power Line, Cellular, or Wi-Fi for the site |
| **3. Provision** | Assign device identity / join the network |
| **4. Data flows** | Readings publish to ARG Cloud or your MQTT / SCADA endpoint |
| **5. Monitor & update** | Dashboards, alerts, and OTA firmware updates |

### Need device-specific integration details?

Register maps, Host API details, and per-product integration guides are available on request. Contact us and tell us what you're building.

**Contact us →**