

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 →