AETHERLINK / CELLULAR COMMUNICATION

# GPRS / 3G / 4G Cellular Module

Variant-dependent GPRS, 3G or 4G communication for compatible smart meters.




Product visualisation · appearance depends on configuration

## Product overview

The AetherLink Cellular Module provides a plug-in communications path between a compatible smart meter and a mobile network. The range includes configurations supporting GPRS, 3G or 4G, with multi-mode combinations dependent on the selected module. Functions include cellular data communication, SMS transmission and reception, and remote upgrade support. Selection must account for the required network technologies, operating bands, host firmware and destination-market operator. The generations listed for the range do not mean that every delivered module supports all technologies or all networks.

## Key capabilities

**Cellular communications options.** GPRS, 3G and 4G support is selected by module configuration, including multi-mode combinations where specified.

**Mobile-network registration.** Registration uses the technologies supported by the selected configuration and the network available at the installation.

**SMS functionality.** Supports SMS transmission and reception within the applicable module and network configuration.

**Remote upgrade support.** Supports remote software maintenance as implemented by the compatible host and management system.

### Application fit

Smart-meter installations requiring an operator-network communications path, with the module matched to the required regional cellular service.

FUNCTIONAL CHARACTERISTICS / INTEGRATION

# Specify the complete configuration.

Match the module to its host and network before selecting the delivered variant.

| CHARACTERISTIC | PRODUCT INFORMATION |
|---|---|
| Communication medium | Cellular mobile network |
| Network technologies | GPRS / 3G / 4G, depending on module variant |
| Multi-mode operation | Configuration-dependent; confirm the supported technology combination |
| Data communication | Cellular data exchange within the selected host and network implementation |
| Messaging | SMS transmission and reception, subject to configuration and service support |
| Software maintenance | Remote upgrade support |
| Host integration | Plug-in module for a compatible smart meter |

## System context

| HOST | COMMUNICATIONS PATH | NETWORK ENDPOINT |
|---|---|---|
| Compatible meter | Operator mobile network | Upstream system |

System context is illustrative. Host application protocols, upstream services and interoperability depend on the complete implementation.

## Integration considerations

**Operator and regional configuration.** Specify the destination market, operator, required radio technologies and operating bands for the delivered module.

**Host and service integration.** Agree the host interface, firmware, network provisioning and upstream connectivity requirements.

**Operating behaviour.** Confirm the supported technology combination, network registration behaviour, SMS service and remote-upgrade process for the selected variant.

**CONFIGURATION SCOPE** GPRS, 3G and 4G identify range options. Universal multi-mode support, automatic inter-generation fallback and operator approval are not implied.

Supply limits, connector details, dimensions, environmental ratings, operating bands and quantitative performance are specified for the selected configuration. Request the applicable integration data from Archai.

### Discuss your configuration

Share the host meter, destination market, network technology and integration requirements with Archai.

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