**Landis+Gyr
S410 Stand Alone
Gateway**

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*Provides Connectivity for Stand-Alone Deployment of Load Control
Solutions for Residential and Light Commercial Applications*

Overview

The S410 Stand Alone Gateway enables
electric utilities to deploy Landis+Gyr's
advanced load management solutions
controlled by Power Center operating
software, and helps route information for
managing residential and light commercial
loads independent of AMI network
technologies.

The Gateway is self-contained with an
unobtrusive design. It can be powered from
any interior 120 volt outlet, and either placed
on a desktop or wall-mounted. It supports
both Ethernet and cellular WAN interfaces.

Additionally, the S410 Stand Alone Gateway
utilizes two ZigBee® subsystems. The first is
used to communicate to the existing ZigBee
enabled meter, and the other is used as a
communication conduit to the Landis+Gyr
Home Area Network, which includes
load control devices and programmable
communicating thermostats.

The Gateway does not require an existing
communicating meter, although if one does
exist they may work in tandem. Usage
data and control options are available to
consumers through a secure web portal
accessible from any Web-enabled device. A
separate portal for the electric utility provides
a real-time graphic snapshot of aggregated
loads at the home or device level via cellular
communications. Options within the Power
Center operating platform will present utilities
with a near real-time view of load broken
out by substation, individual circuits or
transformers. This allows precise targeting of
conservation events, while delivering analytics
and ancillary services.

FEATURES & BENEFITS:
*Why Landis+Gyr makes a
difference.*

- Low-latency communications
  - Reliable cellular backhaul
    connection to homes
- Flexible placement
  - 120 volt outlet required
- Standards based HAN
  communication
  - Zigbee SEP 1.1
  - Connection to Zigbee
    enabled electricity meter
- Sleek design
  - Black/silver plastic enclosure
  - Indicators for power and
    signal strength

Part Number	907-SA200-00
Specifications	ARM9 400 MHz Processor (Atmel AT91SAM9G20)
	16 MB Flash/32 MB SDRAM
	Embedded Linux OS
Communication Options	**Wide Area Network (WAN)**
	■ RJ45 Ethernet port
	■ Gobi3000 3G radio (PCIE slot)
	Home Area Network (HAN)
	■ ZigBee radios (Ember EM357)
Electrical	External switching power supply supports 120-240 VAC (50-60 Hz)
Mechanical	Custom-tooled plastic enclosure
	LED indicators
	Active Conservation Mode
ZigBee®	ZigBee (2.4 GHz) High Powered support (20 dBm transmit power) (UART/SPI interface)
	Supports SEP 1.1
Regulatory Information	Complies with Part 15 of the FCC Rules.

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