

Commercial & Industrial **PLX** Solution

Advanced Data Access and Control for Commercial-Industrial Metering

Gridstream® PLX is a ground-breaking power line carrier-based solution for advanced metering and smart grid applications. PLX commercial metering endpoints deliver unprecedented access to interval and load profile data across the network. PLX endpoints deploy as plug 'n play devices, so within hours the endpoint is delivering billable reads to the Gridstream head-end system, Command Center.

PLX provides 15-minute interval reads for load profiling, and utilities can choose two load profile values, then group meters to deliver active or reactive energy or voltage by phase. The 15-minute intervals are not batched, but arrive every 15 minutes in Command Center for immediate use for managing very high-value customers.

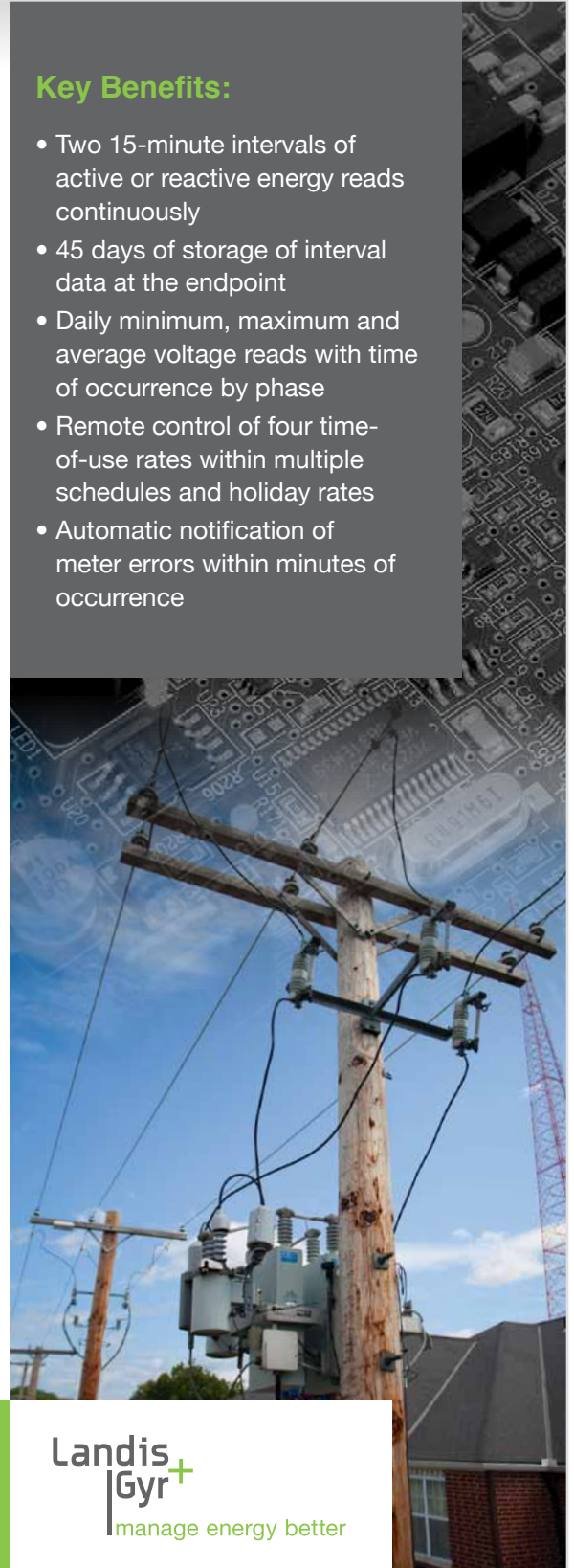
In addition to interval data, Gridstream PLX continuously pushes full register meter reads for accurate, timely billing information of both active and reactive energy and peak demand, including coincident demand and power factor. Easily employ different rates for any class of customer and bill on a pre-defined schedule or conduct a last-minute override during critical peaks.

All endpoints deliver energy and demand reads captured at midnight and at the demand reset, they deliver data ready for billing the same day with the best data availability percentages in the industry. Gridstream PLX offers the capacity to deliver the multitude of values offered by Landis+Gyr's high-end S4e meter including time-of-use rates.

The endpoints alert the utility to phase outages, low battery and other meter, module or interface errors within minutes so the situation can be quickly addressed. PLX commercial endpoints give the utility access and control needed to manage commercial accounts.

Key Benefits:

- Two 15-minute intervals of active or reactive energy reads continuously
- 45 days of storage of interval data at the endpoint
- Daily minimum, maximum and average voltage reads with time of occurrence by phase
- Remote control of four time-of-use rates within multiple schedules and holiday rates
- Automatic notification of meter errors within minutes of occurrence



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Specifications

Part Number	26-7300
Operating Temperature	-40° to +85°C (under Meter Cover)
Operating Voltage	85–305 VAC
Setup Method	Laptop, handheld PC or remote

**Compatibility**

Voltage	Meter Form								
	1S	2S	3S	4S	8/9S	12S	15/16S	6/36S	5/45S
120 (2-wire)	•								
120 (3-wire)			•			•			•
120 (3-wire Delta)						•			•
120 (3-wire Network)						•			•
120 (4-wire Delta)					•		•		•
120 (4-wire Wye)					•		•	•	
240 (3-wire)		•	•	•		•			•
240 (3-wire Delta)						•			•
277 (3-wire)						•			
240/277 (4-wire Delta)					•		•		•
240/277 (4-wire Wye)					•		•	•	•

Standards Compliance

ANSI/IPC-A-610	Acceptability of Electronic Assemblies
FCC CFR Title 47 (Part 15, subpart B)	Radiated and Conducted Emissions
IEC 61000-4-2, IEEE C62.38-1994	Electrostatic Discharge
IEC 61000-4-3	Radiated and EMF Field Immunity
IEC 61000-4-4 2004	Electrical Fast Transient
IEC 61000-4-5, IEEE c62.41.2-2002, Category B	Surge (combination wave)
IEC 61000-4-8	Power Frequency Magnetic Field
IEC 61000-4-9	Pulsed Magnetic Field
IEC 61000-4-11	Voltage Dips and Interrupts
IEC 61000-4-12, IEEE c37.90-2002	Surge (100 kHz Ring Wave)
ANSI C12.7-1987	Code for Electricity Metering
ANSI C12.1-1995	American National Standard requirements for Watt-hour Meter Sockets

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