



# LINK Pa

Nighthawk's LINK Pa is a revenue class meter designed for commercial and industrial applications. It provides real-time instrumentation, true power quality monitoring and real cost of service measurements. The LINK Pa leverages the Aclara kV2c meter family, one of the most widely accepted ANSI commercial and industrial meters with over 2 million meters deployed.

This revenue-grade meter design is based on Aclara's innovative technology which provides high accuracy and reliability.

The feature rich LINK Pa meter is enabled by Nighthawk's scalable Adaptiv® platform bringing affordable AMI to the market. The LINK Pa allows you to expand your AMI system strategically as budgets allow while adding functionality and value to the utility. Nighthawk's Adaptiv adds full two-way communication.

Our self-healing mesh capabilities offer built-in redundancy improving read reliability. With Adaptiv's advanced outage and voltage monitoring, you are getting unprecedented value from your AMI system.



- ANSI table-based smart meter
- Over-the-air upgradable
- On-demand reads & interval data
- Advanced outage management
- Meets ANSI C12.20 accuracy class 0.2
- 4-quadrant industrial or substation measures
- Demand and bi-directional meter functions rolling, exponential, coincident, simple
- Stores more than 1 year of 15-minute energy logging
- Per phase AC instrumentation (amps, volts, and phase angle)

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## Nighthawk Adaptiv® LINK Pa meter technical data

### Basic functions

- Block demand meter
- Bi-directional meter
- Site and tamper monitoring
- Two-way communicating meter

### Multifunction meter

- Revenue meter
- AC instrumentation

### Ratings

- Voltage: 120 to 480 volts,
- kV2c+ options:
  - 57-1230 volts
  - 600 volts
- Current: Class 20, Class 200, Class 320
- Frequency: 50 or 60 Hz

### Measurement switches

- K - kVA – Power factor, kvar and kVA measures
- Q - Power quality measures
- E - 500 Event log
- R - Basic recording (4-channel, 64 KB)
- T - Time-of-use (TOU)
- V - Fast voltage event monitor and log (sag and swell, 1 to 65k cycles)

### Accuracy

- $\pm 0.2\%$  at standard test points for energy and demand (typical)
- Meets ANSI C12.20 class 0.2

### Operating range

- Voltage: 120-480V (+10/ -20%)  
With enhanced power supply:  
120-480V (+10/ -20%)
- Frequency: rated (5%)
- Temperature -40°C to 85 C°

### Mechanical design

- Durable one-piece LEXAN™ cover
- Rugged single action reset lever

### Display

- Alphanumeric display
- Blinking block disk analog
- Arrows show energy flow direction and lagging or leading quadergy
- Separate indicator for each phase voltage

### Nighthawk module information

- Daily network time sync
- Extended outage notification
- FCC Part 15 B
- IEEE 802.15.4
- LTE CAT 1

### Energy

- Accumulated kWh delivered
- Accumulated kWh received
- Accumulated Net kVARh (Lagging – Leading)
- Accumulated apparent kVAh

### Power

- Max kW delivered
- Max kW received
- Max Net kVAR (Lagging – Leading)
- Max apparent kVA

### Interval data

- kWh delivered
- kWh received
- Net kVARh (Lagging – Leading)
- Apparent kVAh

### Types of recording

- Load profile
- Data:
  - Maximum value in interval
  - Minimum value in interval
  - End of interval value
- Optional KYZ output

To learn more visit: [www.nighthawkcontrol.com](http://www.nighthawkcontrol.com)

Nighthawk designs and manufactures Mesh-Cellular Smart Grid AMI solutions for the utility industry. The Nighthawk approach allows for incremental rollout, so cities can develop system-wide solutions as time, money, and needs allow. This incremental approach attacks the areas of greatest need first and deploys the latest technology at each step of the plan. Nighthawk 2018 11/18



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