

3000 Collector

Enhanced Data Collection Capabilities for PLC Systems

The PLC 3000 series collector provides a powerful and flexible data collection and control center for users of Landis+Gyr's power line carrier advanced metering systems. The collector manages constant two-way communications between all assigned residential, commercial and load control endpoints individually, in defined groups or across the entire network. The enhanced power of the 3000 series continually pushes interval data and full register reads to the head end software, Command Center simultaneously transmits commands to perform disconnects, firmware upgrades or reconfigurations at the endpoint.

The collector is designed to provide power quality reporting that is unmatched in the industry. The collector assigns a digital signal processor card to each feed and continuously monitors the signal quality of each endpoint. In that process, the collector detects changes that can be slight degradation over time due to failing equipment or foliage on the line. Or, if the signal degradation occurs quickly, the collector will accurately and very quickly notify the utility of an outage. By mapping the individual outages within Command Center or a third party OMS, the utility can quickly dispatch a truck to the exact location. And when power is restored, restoration of power can be validated prior to the truck leaving the area.

The 3000 series collector, with the use of a WAN modem, is compatible with DSL, fiber, cable modem, RF, mobile (3G or 4G), leased line, and other methods of communication to the head-end.

Key Benefits:

- Operates in a dynamic distribution system and accommodates switching operations
- 30 days of storage of all reads from every assigned endpoint
- Accurate, automatic notification of power outages within minutes of occurrence
- Automatic notification of power restoration within minutes
- Capacity for up to 150,000 residential endpoints

**TS1
TS2
PLX**



Specifications

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|--|---|
| Product Part Numbers | FASY-0632-0019 Gridstream PLX Enclosure |
| | FASY-0632-0018 Gridstream PLX Blade without downstream fiber |
| | FASY-0632-0017 Gridstream PLX Blade with downstream fiber |
| | FASY-0632-0016 Gridstream TS2 Enclosure |
| | FASY-0632-0003 Gridstream TS2 Blade without downstream fiber |
| | FASY-0632-0002 Gridstream TS2 Blade with downstream fiber |
| | FASY-0632-0005 TS1 Blade |
| | FASY-0632-0004 Blank Blade |
| Size | 17 1/8" W x 13 1/2" D x 10 3/8" H |
| Weight | 19lbs, 1.6oz. (each blade 14.4oz.) |
| Mounting Standard | 19-inch industrial rack mount (6U vertical) |
| Power Supply | 120V to 240V, 50/60 +/- 1Hz |
| Power Consumption | 75w (1.2A) Max |
| Operating Temperature | -40° to +65°C |
| Operating Humidity | < 95% (non-condensing) |
| LAN | Ethernet |
| Backhaul Communication Speed Requirement | TS1/TS2: 256 Kbps (upload & download) |
| | PLX: 256 Kbps (upload & download) |
| Ethernet Ports | 1 front panel, 2 rear panels |
| Serial Ports | 1 front panel |
| LED Indicators | Power |
| | Processor Status |
| | DSP Blade Status |
| | Ethernet TX/RX Status |
| Standards Compliance | Low Voltage Directive |
| | IEC 60950-1:2005 |
| | EMC Directive |
| | EN 61000-6-4 based on EN55022 Class A (CISPR 22) |
| | EN 61000-6-2 based on EN61000-4-2, -3, -4, -5, -8, -9, -11, -12 |

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