

Introduction

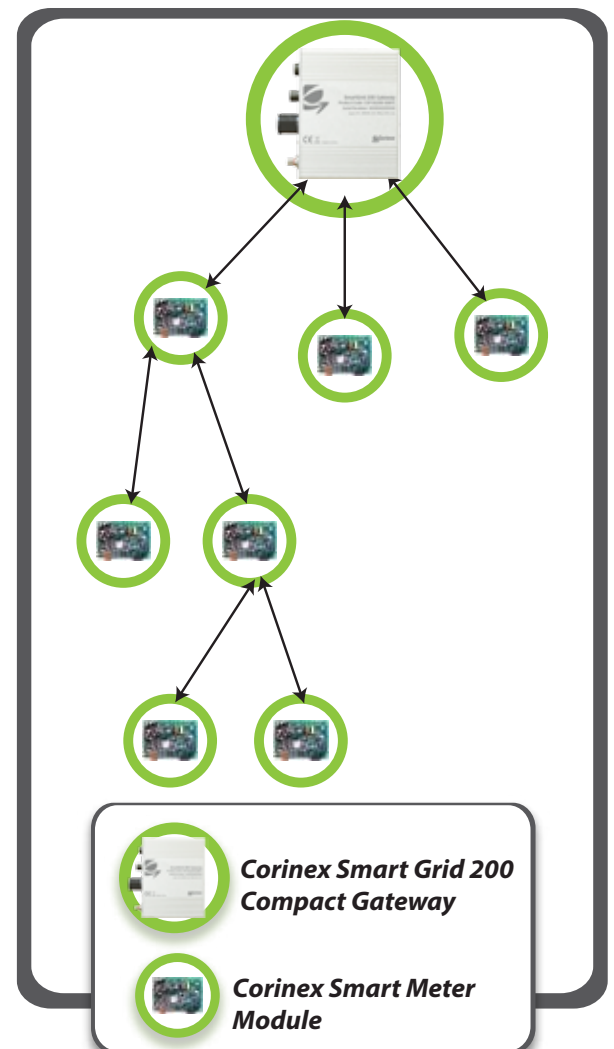
The Corinex Smart Meter Module is an IP-addressable BPL-enabled meter designed for utility AMI deployments. The module communicates with Corinex BPL networks via Low Voltage (110/240 V) electrical lines by using UPA (pre G.hn) 200 Mbps chipset. Corinex Smart Meter Module enables scalable Plug-and-Play installation as each module acts as automatic repeater thereby extending the network coverage to other meters. The module also couples the BPL signals into the home for a home network area expansion for applications like energy management .

The Smart Meter module enables not only traditional electric metering applications, such as automated retrieval of kWh consumption, billing and interval data, and tamper detection, but also offers a wide range of options targeted at other utility applications. Remote service disconnect and reconnect, and the ability to communicate to home-area-network (HAN) devices such as thermostats and load control are all supported by the Smart Meter Module. All the functionality is seamlessly handled over the Corinex network by the Corinex Smart Grid 200 Compact gateway, where the billing data is sent to Corinex's Smart Grid Connect software which utility's Meter Data Management Software can access.



Features

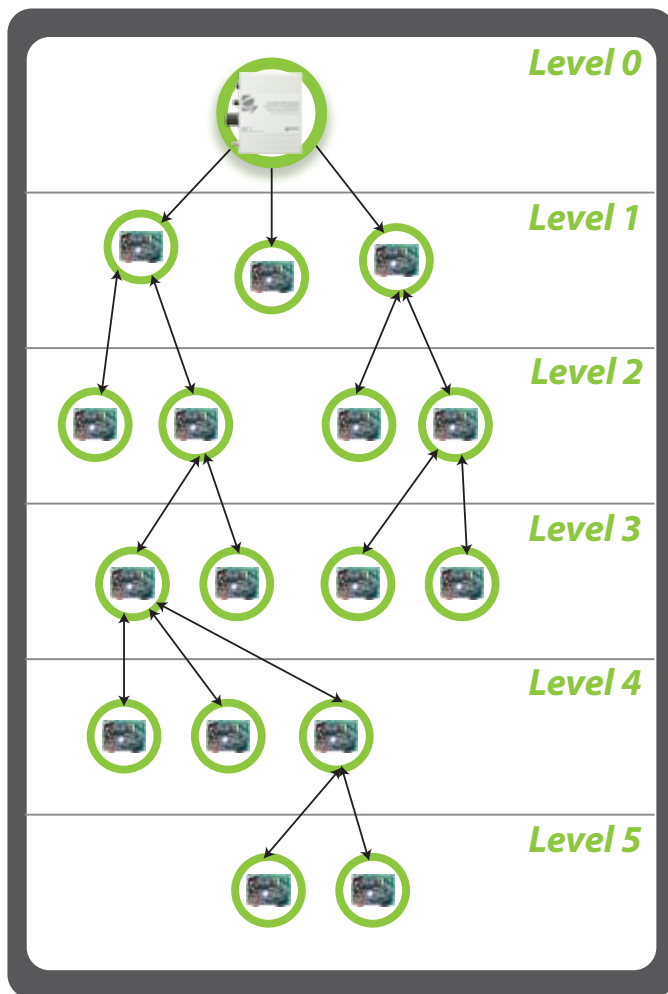
- IP Addressable
- 200 Mbps BPL Interface under the glass
- Full two-way high speed communication capability
- Instant on-demand reading capability
- Remote Disconnect/Re-connect
- Time-of-Use Capability
- Stores 1-year of data in non-volatile memory
- Time Synchronization
- Real-time outage detection
- Real-time tampering detection



Technical Specifications

Module Specifications

Data Storage	4 MB
Encryption	3DES/AES
Clock	NTP Synchronized (RFC 868)
Standards	IEEE.802.3, IEEE 802.3u, 802.1P, 802.1Q
LEDs	<ul style="list-style-type: none"> • Service Quality • Relay Status • Disconnecter Status • Error Status
Frequency Band	2 MHz - 12 MHz (Mode 21)
Transmit Power	-50 dBm/Hz
Meter Module is Compatible with	MEM500-E12N 1-phase MET410-E34N 3-phase



Product Code

CXM-SG200-MIS	Corinex Smart Meter Module 1-phase
CXM-SG200-MIP	Corinex Smart Meter Module 3-phase

No network planning or configuration is required

The network is plug and play and builds itself automatically while looking for the optimal configuration

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