

POWER LINE MODEM



Bi-directional half-duplex **POWER LINE MODEM** with built in **ISO-LATED SINGLE PHASE POWER SUPPLY**.
High noise immunity using **FSK** modulation technique .
High Baud rates up to 4800bps

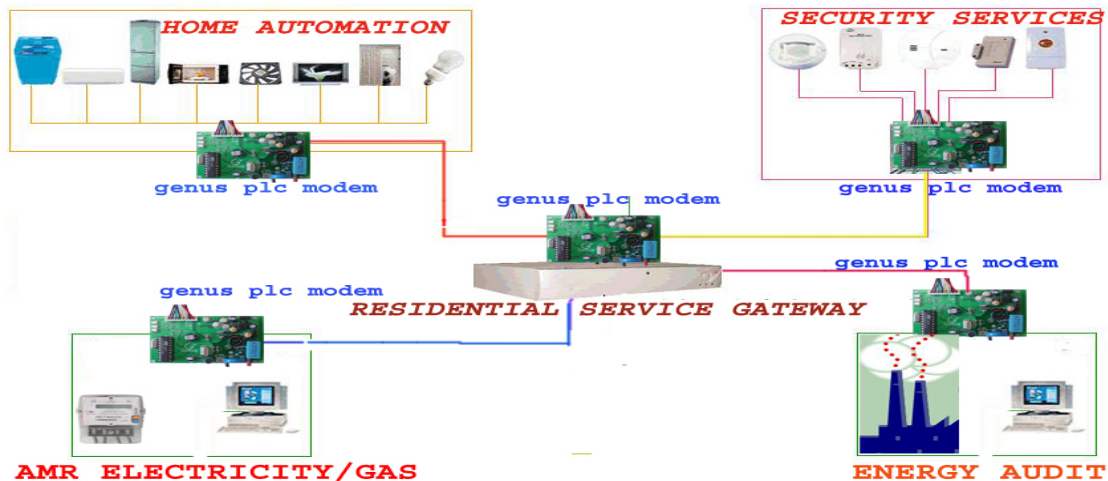


FEATURES

- Applicable to universal main voltage and frequency from 100V-250V,50-60Hz
- Protocol independent . Data transfer transparent to users terminals. of bytes in a burst is 2048.
- High noise immunity and reliable data communication, up to 8 Programmable Frequencies(60 kHz— 132 kHz)
- High Baud rates of up to 4800 bps. Baud rate is configurable using command set.
- Isolated serial interface to users data devices.
- Simple connection to mains
- Compliance to CENELEC-50065
- Noise level can be read using command set
- Isolated auxiliary DC Supply 12V/100mA for user

APPLICATIONS

- Automatic meter reading (gas ,water, electricity)
- Remote Display
- Home Automation
- Tariff switching and Automatic Load Control, Dual Metering
- Low speed data communication networks in intelligent buildings
- Fire and Security alarm system
- Power Distribution management
- Closed loop Distribution Transformer metering and Industrial Energy Audit



SPECIFICATIONS

Standards: CENELEC 50065

Voltage	Operating Voltage	±7.5V , ±12.5V
Current	Active Current per Supply Voltage	Typical: 18mA Transmission :300mA Reception: 20mA
Frequency	Operating Frequency Range	60 kHz to 132 kHz
Signal modulation	Modulation technique	FSK
Baud Rate	Baud rate	600 - 4800 bps
Indicators on Board	LEDs used	PWR, RX, TX
Max Operating Voltage	Coupling Voltage	100V to 250V AC or DC
Communications	Data I/O level	RS232C
Communication Distance	Typical Worst Power line condition (heavy load, high noise)	Above 100m 50m
Operating Temperature		-40° C to 55 °C
Dimensions		76mm x 50mm

***Specifications are subject to change without prior notice**
We expertise in application specific customization

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