



Product

Kaicom is a leading designer and manufacturer of unique and creative telecommunication products based on experienced wireline and wireless telecommunication fields.

Kaicom Power Line Communication

❖ KPI-2220 FD-Repeater

Overview

- ☐ KPI-2220 is Frequency Division Repeater which is used to extend the coverage offered by power line communication.
- ☐ KPI-2220 can be easily and quickly installed. It can be installed without additional enclosure on outdoor. it is satisfied with IP68.
- ☐ Depending on PLC core chip sets in use, the Repeater can support various amount of MAC look-up table up to 1024



KPI-2220 FD-Repeater

KPI-2220 FD-Repeater offers

- ☐ System bandwidth. 200Mbps
- ☐ PLC Link 64 connections support
- ☐ Can be used FD-Repeater or MV/LV gateway
- ☐ Auto configuration support (DHCP, TFTP)
- ☐ Remote management support (SNMP)
- ☐ Easy integration, Ethernet 10/100 Base T
- ☐ Max bandwidth control
- ☐ Coexistence filter embedded & remote controlled
- ☐ Enhanced stability
- ☐ Aluminum Die-casting case
- ☐ Enclosure : IP class 68 support
- ☐ Compliant to Safety and EMC



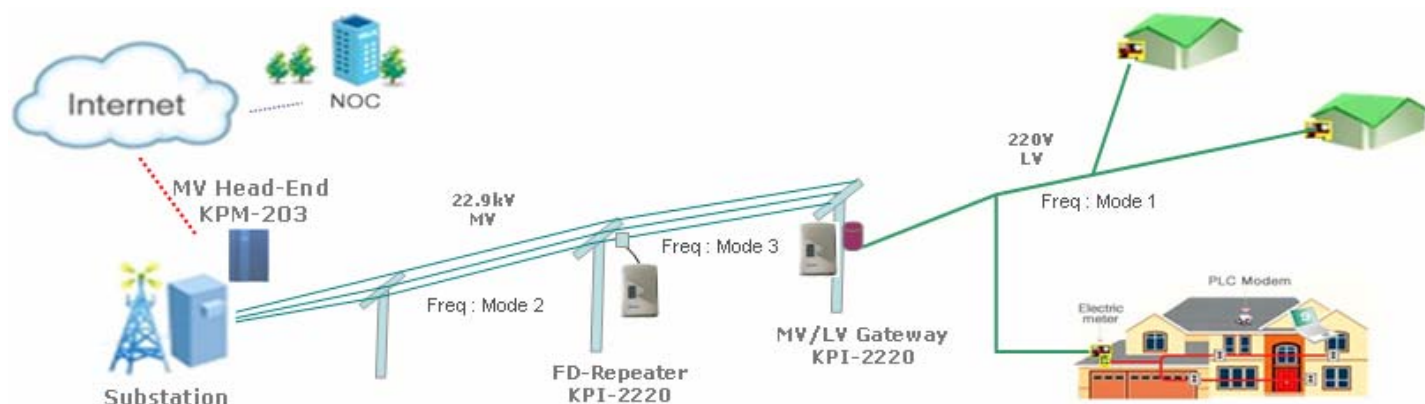
Support

Kaicom provides necessary documentation and organizes training courses for utilities and system integrators. Different support agreements are available. Licensed customers and installers will have direct access to Kaicom support database.



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Specifications

Chipset

- ☐ DSS 9002A x 2
- ☐ 1024 MAC addresses

Data Transfer Rate

- ☐ Up to 200 Mbps through the powerline interface
- ☐ Active PLC connections: 64

Protocols

- ☐ IEEE802.1Q, VLAN
- ☐ IEEE802.1P, Priority
- ☐ QoS & CoS

Management & Configuration

- ☐ Remote management via standard SNMP
- ☐ MIB: MIB II/ IETF RFC1213, 1493, 2674
- ☐ SNMP: RFC 1157 SNMP v1, RFC 1905 SNMP v2
- ☐ Auto-configuration by DHCP and TFTP
- ☐ Configuration and upgrade files by TFTP

Security

- ☐ Compliant with RADIUS protocol.
- ☐ Supports VLAN /OVLAN
- ☐ DES/3DES Encryption

Physical Layer

- ☐ Modulation: OFDM with 1536 carriers
- ☐ Bandwidth: 2 MHz ~ 34MHz
- ☐ Output Power Range: Up to -50dBm/Hz
- ☐ Transmitted Power Density with 1dB step
- ☐ Avoid Interference: Power Mask

Interface

- ☐ Ethernet 10/100 Base-T / RJ-45
- ☐ Console / RJ11
- ☐ PLC signal port / F-connector
- ☐ Factory reset button

Environmental Requirements

- ☐ Ingress Protection (IP) : IP68 (Waterproof)
- ☐ Operating temperature: -10 ~ +55 °C
- ☐ Operating humidity: 5% ~ 95%, non-condensing

Power Requirements

- ☐ Power consumption: 16W
- ☐ Voltage: 90 ~ 265 VAC
- ☐ Frequency: 50/60Hz

Standards

- ☐ Electrical safety: EN60950-1
- ☐ EMC: EN55022 (Class B), EN61000-3-2, EN61000-3-3, EN55024

Physical

- ☐ Material :Aluminum
- ☐ Weight : Max 5 Kg
- ☐ Dimension: 225mm X 310mmX 85mm