

# 3-Phase Power Line Concentrator

This concentrator features a high-performance 32-bit ARM9 kernel CPU with an embedded Linux operating system. It is designed for use in electrical power transmission and distribution systems.



## Overview

### High-Performance Data Concentrator

This 3-Phase Power Line Concentrator is engineered for robust performance in electrical power transmission and distribution systems. Built with a 32-bit ARM9 kernel CPU and an embedded Linux operating system, it offers reliable AC sampling, data freezing, and load profile recording. Designed for harsh environments, it supports versatile communication options and features advanced anti-tamper detection to ensure data integrity.

## Electrical Specifications

Voltage Specifications	3x100V, 3x57.7/100V, 3x220/380V
Rated Current	1.5 A
Maximum Current	6 A

## Communication Interfaces

### Hardware Interfaces

- RS485 (x2)
- RS232
- Infrared interface
- USB
- Ethernet interface
- GPRS/CDMA communication port
- Carrier wave/micro-power wireless

## Operational Environment

### Operating Temperature Range

<b>-45 °C</b> Min Temperature	<b>85 °C</b> Max Temperature
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## Key Features

### Core Functions

Feature Category	Capability
Processing	32-bit ARM9 CPU with Linux OS
Uplink	GPRS, CDMA, Ethernet
Downlink	RS485, Carrier wave, Wireless
Maintenance	Local/Remote software upgrades
Security	Anti-tamper detection