

# Electronic Payment System Network Diagram

The diagram illustrates a network architecture for an electronic payment system. It includes a payment service platform, user management database server, and set-top box.



## System Overview

### Integrated Electronic Payment Solution

This electronic payment system provides a comprehensive network architecture designed for secure data management and transaction processing. The system integrates essential components including a centralized payment service platform, a user management database, and a specialized broadcast network. Designed for high-performance interoperability, it supports streamlined data flow between front-end hardware like set-top boxes and back-end billing and management platforms.

## Network Components

### Key Architecture Components

- Payment Service Platform
- User Management Database Server
- Broadcast Network
- Set-top Box
- USB Electronic Wallet
- UnionPay Payment Gateway
- Billing Statistics Module

### Component Overview Table

Component Category	Functionality
Front-end Device	Set-top Box / USB Wallet
Back-end	Payment Gateway / Management Platform
Infrastructure	Broadcast Network / Billing Server

## System Compatibility

### Supported Protocols and Interfaces

CARP, USB, Electronic Payment Protocol, Data Synchronization