



Summary of IPCL-100/500/5000 Gateway

It is a platform designed for easy management / authentication and billing for small to large scale networks. It provides a user-friendly GUI for the offering of extra services and creation of additional revenue. Thanks to the high level security functions, you can safely offer internet to your customers and be rest assured internet service is controlled at all times.



Authentication & Authorization

Every subscriber needs to log in before accessing the internet, so no unwanted subscribers can use the internet in your property. The IPCL supports multiple authentication protocols:

- UAM (Universal Access Method) with captive portal over SSL
- MAC-based authentication
- WPA 802.1X

Local Authentication
 Radius Authentication
 Single click authentication for complimentary access

Billing & Payment methods

The IPCL platform creates an opportunity to gain extra revenue. You can create your own billing plans and payment can be done in different ways:

- **Voucher:** full voucher management
- **credit card** (Optional Module)
- **PMS** (Optional Module)

Billing and access plans can be unlimited number of pre-paid; post-paid or special free plans and is subscriber profile based. The IPCL supports multiple credit card clearing houses.

Integrated Firewall

Integrated Firewall

Lawful Interception EU-Data Retention (2006/24/EG): Keeps track of the IP-addresses visited by the subscribers, which makes sure in case of internet abuse, the violator can be traced.

White list / Black list: Predefine websites may be visited without authentication/ URL and IP address filtering.

MRM (Mail Rate Monitoring): Anti SPAM function

SRM (Session Rate Monitoring): if a subscriber sets up too many connections, Session Rate Monitoring makes it possible to:

- Log out subscriber
- Block subscriber
- Limit access to web

Intrusion Detection

Spoofing Detection: Mac addresses spoofing

Network features

Any IP / Any DNS: Subscribers don't need to change anything in their IP-configuration, which makes it extremely easy to connect to the network

Time, Bandwidth and Volume-management: makes it possible to manage and spread the load on your network

Wired / Wireless: The IPCL works on any network environment: wired; wireless; ...

DHCP Server: Automatic IP configuration for all subscribers

RADIUS Roaming

NAT (Network Address Translation)

Dyn DNS client

802.1Q VLAN Tagging



Portal page

Management

Portal Page redirect: Subscribers who want to access the internet are redirected to a portal page to log in. This portal page is completely customizable and can match the corporate design of the property.

- **PDA-friendly portal pages**
- **Portal Page Wizard:** Easily create your own personalized portal page.
- **Unlimited number of custom portals loadable**
- **Pop-up blocker detection**
- **Multiple Browser Support**

PMS Integration & services (Optional)

Certified Micro/Fidelio interface

Type: FIAS Serial or FIAS IP supporting shared guest profiles

OnQ PMS connection

Protel PMS connection

The PMS module (Property Management System) will allow creating a richer guest experience:

- charge internet access to guest account
- view PMS stored text messages on guest portal
- view detailed bill on guest portal
- check out via internet
- posting of voucher values for financial balancing
- access to Tigers XML based guest services guest portal

Reporting & Monitoring

Reports: Revenue, data usage and subscriber reports show all user activity, transferred data and the revenue that was made in your property. Reports on a daily, monthly or yearly basis.

Broken down figures according to payment method

Subscriber session tracing with filter possibilities

Gateway Health Status: alarming via email

Network device monitoring based on SNMP query:

Alarming via email

Multiple Administrators: multiple administrators can be created, each with their own rights and restrictions.

Subscriber management: via internal database or external radius. Creation of subscribers based upon the defined billing plans.

Centralized Management: manage multiple gateways centrally (optional module).

Logging:

- RADIUS log
- System log
- Syslog
- Interface log

Meeting Room Scheduler

SSL Encrypted: Management interface over https.

Hardware specifications

- 10/100/1000 BASE-T LAN port
- 10/100/1000 BASE-T WAN port
- 10/100/1000 BASE-T for possible PMS interface
- DB9 serial for possible PMS interface
- Rack mountable (1u, 19 inch)
- Dimensions:
 - Height: 1.7" (43mm)
 - Width: 17.2" (437 mm)
 - Depth: 9.8" (249 mm)
 - Gross Weight: 10 lbs (4.5 kg)
- Temperature:
 - Operating: 10 – 35 °C (50° - 95°F)
 - Non-Operating: - 40 - 70 °C (-40° - 158°F)

Subscriber Access

SMTP Redirect

NAT (Network Address Translation)

VPN pass-through

RADIUS Client / RADIUS Proxy

Log out console

Smart URLs

Registration Mail