



Avansu Software for Broadband Internet Service Providers

Providing Internet access for wireless and wired customers requires a complex technical infrastructure. Essential features of a first class WISP management system have only been available with expensive Telco solutions. Now the AVANSU software platform provides WISPs and hotspot operators with the technology to build low cost, high performance networks simply and quickly, and get all the features of a carrier grade network without the carrier grade price tag.

Avansu's software as a service (SaaS) approach to provide WISP software solutions eliminates initial investment costs and provides WISPs with a degree of functionality that was previously only available from expensive TELCO systems.

The WISP can customize every aspect of the user interface to brand the user experience. The WISP can also customize billing products like pre-pay scratch cards.

Avansu plug and play software is ideal for any business that wants to provision public Internet access as part of a suite of customer services, and avoid technical headaches.

Businesses that take advantage of Avansu software services include resorts, marinas and hotels. They all rate customer satisfaction, profitability and quick return on investment as goals that Avansu software has helped them achieve. Try our free subscription to test the Avansu solution in your business environment.

Customer billing:

Five concurrent billing modes provide WISPs with the flexibility to deploy public Internet in diverse applications, including last mile, hot spots and wholesale.

Customer Support:

Important features are verification of authentication codes and verification of equipment availability.

Banner advertising:

Install banners on custom splash pages with optional click thru and manage banners remotely via the Avansu management system.

Reporting:

Generate traffic and billing reports for nodes and groups of nodes. Download reports in CSV format and import into other software for accounting or statistical analysis.

Bandwidth and Fair Usage:

Access points and routers can be set to limit traffic and throttle bandwidth for high volume users.

Equipment Failure Monitoring:

All equipments connected to the WISP network can be set to alarm on device failure.

Trouble Ticket Automation:

A cell phone alert and email trouble ticket are delivered to field technicians on device failure.

Remote Equipment Management:

Access any equipment remotely to modify the configuration of non-critical parameters.

Virtual Network Operations Center (NOC):

The network administrator has access to a web based NOC that provides a network inventory and access to node configuration.



The easy way to sell Internet access

Plug and play solutions for WISPs and hot spot providers

Low Cost Hardware

The Avansu firmware is installed in many different wireless and router products. Devices can have multiple Ethernet ports and multiple radios covering the 2.4GHz, 5.8GHz and 900MHz bands.

Popular low cost products like the Senao EOC-3220 operate with Avansu firmware and dramatically reduce the cost of building out a wireless network.

Avansu is constantly installing firmware versions on the latest high volume hardware, and on OEM products. Please call Avansu and request a quote to install our firmware on your product.



Avansu Server Interface

Avansu services are provided via a web interface to our servers. The interface is menu driven and simple to use.

No specialized technical knowledge is required to Set up and manage a network. Any IT person will be immediately familiar with the Avansu management interface.

WISPs can access all the Avansu billing and management features through a low cost monthly subscription.



Avansu Node Features
Select wireless mode (AP, CPE or Repeater)
Select network function (Router or Bridge)
Single and dual radio repeater (half/full duplex)
Configure Ethernet port(s) for custom IP ranges
DHCP server, relay or client on all Ethernet ports
Secure web based management interface (SSL)
Captive portal for access via credit card or code
Captive portal for access after agreement to T&C
Define expiry time for disclaimer mode logins
Select captive portal login page from a library
Upload own design for captive portal login page
Custom hostname and SSL cert for login page
Personalization of instructions and error message
View details about authenticated clients
Manage (logout) authenticated clients
Auto logout of client if no data transferred
Display advert banners on login page
IP/domain white list (walled garden)
MAC address white list (no login required)
S/N ratio graph for CPE antenna alignment
Backup node settings to server or download file
Restore node settings from server or upload file
Bandwidth management (throttling) via QoS
Local and remote firmware upgrade

Avansu Server Features		
Account type	Tier1 Free	Tier2
Register device with server	X	X
Access code validation (login)	X	X
Download access codes (CSV)	X	X
View usage of access codes	X	X
Billing via scratch cards	X	X
Monthly billing subscription		X
Credit card billing		X
Billing via PayPal® account		X
Advert banner management		X
View usage node reports		X
View billing reports		X
Download reports (CSV)		X
Enable/disable node remotely		X
Remote view of node status		X
Historical view of outages		X
Email alert of node outage		X
Cell phone alert of outage		X
Remote reboot of node		X
Remote access to nodes logs		X
View node settings remotely		X
Update settings remotely		X
Archive of previous settings		X
Manage redundant nodes		X

Please visit our Web site to request additional information about our products. Additional product information including product manuals that describe configuration procedures can be downloaded from our Web site.



Avansu firmware products are supplied through a network of partners and can also be downloaded from our website for specific hardware brands.