

PATRON

by NETWORK MANAGER



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PATRON is proprietary subscriber administration and network monitoring software developed by Network Manager.

PATRON enables software modules to be adjusted according to the needs, which makes it cost effective solution for every ISP. Modules are GPON, DOCSIS, VOIP, PPPoE.

PATRON performs efficient administration of users, monitors end user device, graphic view. It also simplifies creation of individual and bundled services (analog television, digital television, internet packages, VoIP packages, IPTV, etc.) and network monitoring (graphic representations of network performances).



Build-in DHCP server gives ability to assign local IP address to end user device as well as public IP if needed. Different administrator profile created by you can give levels of privilege and thus ensure that all admins have as many rights as they need.

GPON

GPON module is the latest developed product of PATRON software. Using SNMP and TR69 protocols PATRON can collect and give everything that admin needs and it can be:

- ▶ Create profiles in OLT.
- ▶ Create different subscription offers.
- ▶ To register different ONTs from different manufacturers.
- ▶ Graphic view of information related to upload, download, ONT temperature, current, voltage.
- ▶ Automatic ONT configuration.
- ▶ Built-in DHCP server.
- ▶ Remote administration to client ONTs.
- ▶ ONT and OLT parameter statistics and monitoring.
- ▶ Open communication API for linking billing programs.
- ▶ Automatic ONT's shutdown.
- ▶ Easily generate your tariff packages to offer your customers.

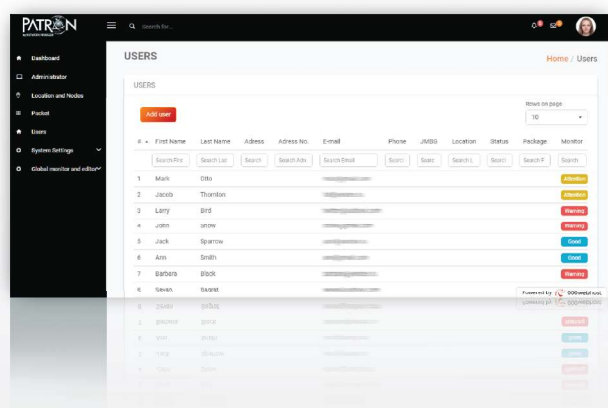
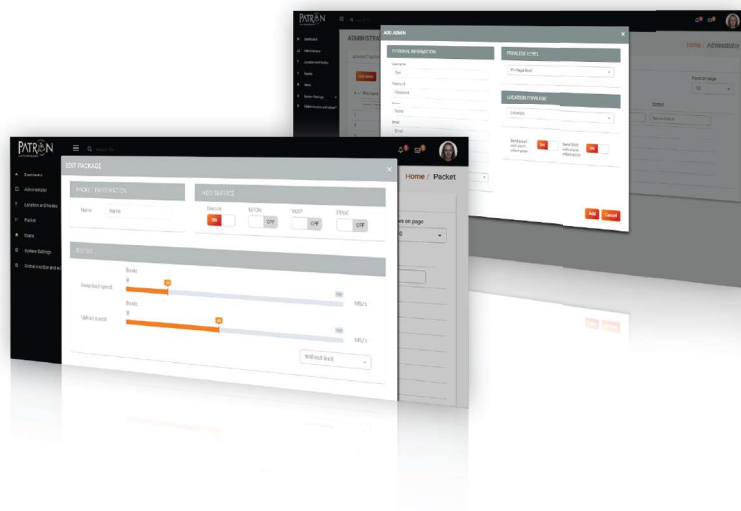
And much more ...

Docsis

Patron provisioning DOCSIS module enables administration and management of DOCSIS devices. All the current DOCSIS standards are supported by PATRON, as are all the services required for complete provisioning such as DHCP, DNS, TFTP and Time Server. Interactive charts, modem firmware update, automatic package extension... all features are Key requirements for scalability, reliability, and responsiveness of the PATRON software.

PPPoE

PPPoE module is used for authentication and authorization of internet access for users either through wireless networks, or via Ethernet devices that support PPPoE and Radius. Software admin is able to manage customer service completely through the program. Through the administration, the data on connection speed and flow are collected, and for the wireless network, in addition to this data, the data about the quality of connection are collected as well. The module supports wireless and Ethernet PPPoE access points and is customizable for other types of devices that support PPPoE and Radius.



VoIP

The VOIP module is used for automatically configuration and manage VOIP service users through most of the used DOCSIS modems and ONTs as well as PPPoE. After initial setup provision of VOIP service is executed through the program.



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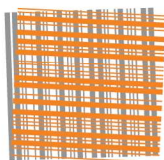
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