Lightera

GPON MONITORING SOFTWARE

Description

GPON Monitoring software enables network visualization and control of equipment to facilitate asset management and reduce support team reaction time if intervention is required.

Features

- Available in the 3 languages (PT-BR / EN / ES);
- Device Discovery, with manual addition of OLTs (SNMPv2 and SNMPv3) and ONUs;
- Automatic discovery of ONUs by OLT;
- OLTs management (editing and removal);
- OLT preview:
  - OLT's health: CPU, memory used, temperature, uptime;
  - Bandwidth consumption of interfaces;
  - Interface status;
  - List of ONUs:
    - Total, active, inactive or looped;
    - Visualization by OLT and PON port;
    - By PON slot / port, status, firmware version, RX power, MAC Address, GPON SN, model, Profile, IP host, etc.
- Monitoring of Generic Elements:
  - PING (UP or Down);
  - Availability;
  - Lost packets;
  - Dashboard filters;
  - Registration of elements by Templates;
  - Dashboard;
- Viewing ONUs:
  - ONT status;
  - Optical power;
  - Interface status;
  - Instant Transceiver temperature;
  - Distance;
  - ONU dashboard and IP-host;
  - Interface band: graph of data traffic from ONT's ETH ports and their aggregates;
- List of ONUs;
- OLT Syslog;
- Dashboards with temperature visualization, Status uptime, Traffic of Uplink interfaces;
- 6 months of monitoring history;
- Dashboard playlist for display at the NOC;
- Links to IP-Host / ONU's WEB page;
- Notifications:
  - Notifications via SMTP server;
  - Sending e-mail for configurable events, including disconnection of ONT's;
  - Possibility to customize the notifications you want to receive by e-mail.

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Configuration

- Sending notifications by e-mail, configurable for each device.

Security

- Creation of new users and change of password;
- Backup & Restore function of the application;
- Viewing OLT logs;
- Licensing, by OLTs, time of use and for demonstrations;
- Accept the Terms of Use per User.

Inventory

- Ability to generate inventory by OLT of connected ONTs;
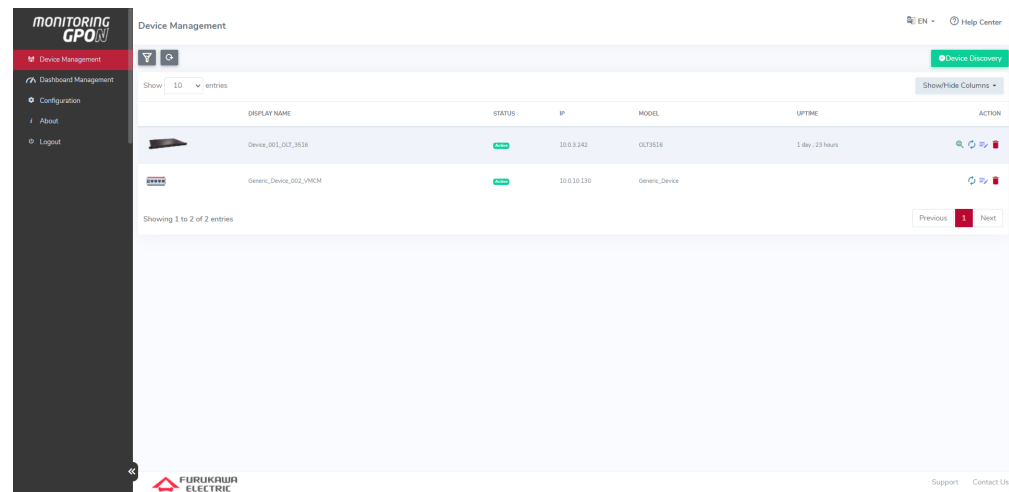- Export inventory in CSV format.

Maintenance

The maintenance period of the software will depend on the annuity acquired by the customer.
Technical support for the platform has no limit until the end of the product's life.
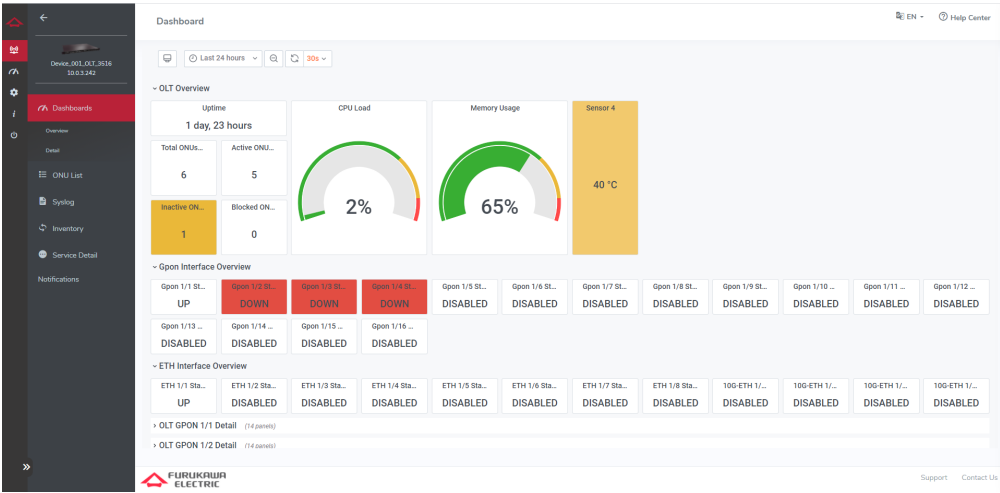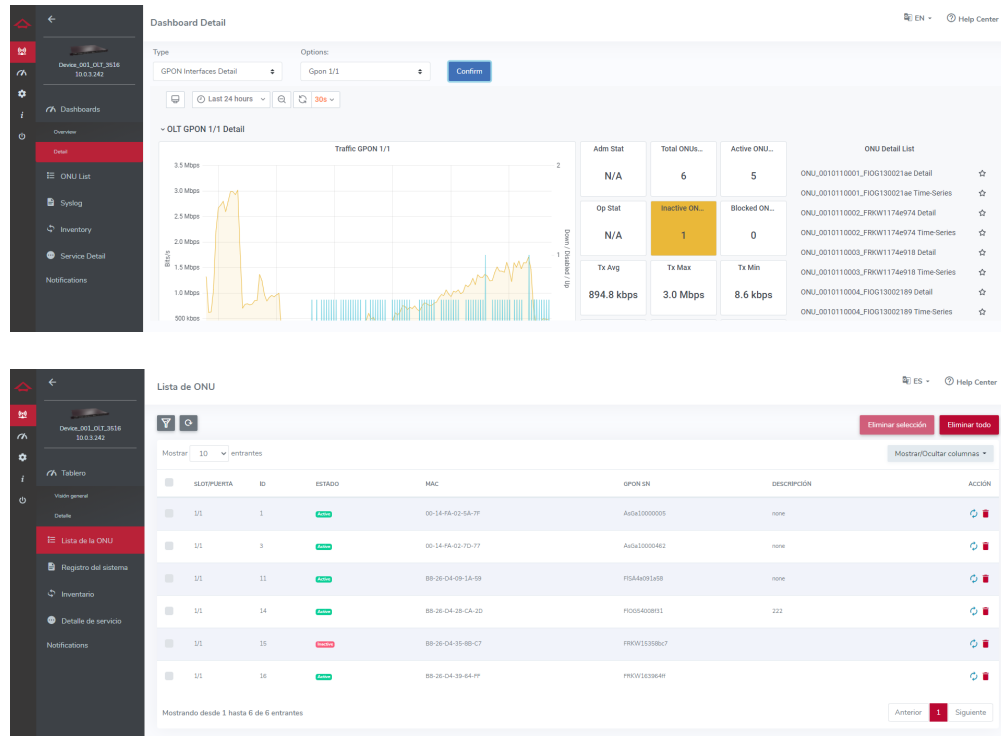
Optional Modules

Integrations with the software below:

- Conscius Manager;
- Conscius Manager Premium;
- Laserway Manager;
- Event Handler;
- DataWave Manager.

Product Image

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Business Model

- The software GPON Monitoring (responsible for monitoring the active network);
- The use license is per server;
- Limit up to 3,000 monitored ONUs;
- The license to use a software maintenance fee is already included;
- Renewal of maintenance and support fees is not mandatory, but does not entitle you to software updates after the first year of use;
- Note: The server (hardware) is not included in the proposal.

Product Information

Managed Products

	3096	3516	3508	LD3032	LD3016	LD3008	LW3008C	G2500	G4S	G8S	LD250x
LD500-10B + LB5008	OK	OK	OK	**ND**	----	----	OK	OK	OK	OK	----
640-10B	OK	----	----	OK	OK	OK	----	----	----	----	----
630-10B	OK	----	----	OK	OK	OK	----	OK	OK	OK	----
LD420-10R	OK	----	----	OK	OK	OK	----	OK	OK	OK	OK
423-41W/AC	OK	----	----	OK	OK	OK	----	OK	OK	OK	OK
LD421-21W	OK	----	----	OK	OK	OK	----	OK	OK	OK	OK
LD421-21WV	OK	----	----	OK	OK	OK	----	OK	OK	OK	----
LW110-44B	OK	----	----	OK	----	----	OK	----	----	----	----
LW510-40BP	OK	OK	OK	OK	----	----	OK	----	----	----	----
LW510-40RP	OK	OK	OK	OK	----	----	OK	----	----	----	----
710-40B **[NEW]**	----	OK	OK	----	----	----	----	----	----	----	----
LW710-80BP	OK	----	----	OK	----	----	OK	----	----	----	----
FK-G400B/ PoE S2	OK	----	----	OK	----	----	OK	OK	OK	OK	----
LW110-20BP	OK	----	----	OK	----	----	OK	----	----	----	----
LD111-21R	----	OK	OK	OK	OK	OK	----	----	----	----	OK
LD111-21B	----	**ND**	**ND**	OK	OK	OK	----	----	----	----	OK
LD510-20B	----	OK	OK	**ND**	----	----	**ND**	OK	----	----	OK
LD582R	----	OK	OK	----	----	----	----	----	----	----	OK
LD582B	----	OK	OK	----	----	----	----	----	----	----	OK
FK-G420W AC/S2	OK	----	----	OK	OK	OK	----	OK	OK	OK	----
LD322-42W	OK	----	----	OK	OK	OK	----	OK	OK	OK	----
LD1102W	----	----	----	OK	OK	OK	----	OK	OK	OK	OK
ONT100	----	----	----	OK	OK	OK	----	OK	OK	OK	OK
FK-G420W	----	----	----	OK	----	----	----	OK	OK	OK	----
FK-G421W	----	----	----	OK	----	----	----	OK	OK	OK	----
FK-G420R	----	----	----	OK	----	----	OK	OK	OK	OK	----
FK-G400R	----	----	----	OK	----	----	OK	OK	OK	OK	----
FK-G400B/ PoE	----	----	----	----	----	----	----	OK	OK	OK	----

Installation Requirements

Hardware Requirements

- Processor (64-bit) Quad-Core 2.0 GHz or higher
- Linux Debian 11 Bullseye - 64 bits
- Buster - 64 bits
- For up to 2,000 ONUs:
- 4 GB of RAM
- 4 GB Swap
- 200 GB of disk space
- For 2,001 up to 3,000 ONUs:
- 6 GB of RAM
- 8 GB Swap
- 300 GB of disk space (SSD recommended)
- Note: The server (hardware) is not included in the proposal.

Part Numbers