

Article Overview

You can view Huijue GPON device information using eSight management, SNMP, or GPON CLI commands to monitor OLTs, ONTs, and MxUs.

Using eSight for Device Management

Huawei's eSight platform allows centralized management of GPON devices. You can:

- o View device resources and statuses for OLTs, ONTs, and MxUs.
- o Monitor real-time link and network health, including alarms and KPIs.
- o Check device topology to see the networking mode and running status of all PON devices.
- o Access device details such as serial numbers, registration status, and service configurations.
- o eSight communicates with OLTs via SNMP and SFTP, and OLTs interact with ONTs using OMCI interfaces to provide detailed device information .

Using GPON CLI Commands

For direct command-line access on Huawei GPON devices:

- o Display GPON interface information: `display gpon-info interface pon` This shows ONU ID, serial number, password, link status, registration status, PLOAM status, port role, and active/standby state .
- o Check system version and interfaces: `display version` and `display interface` provide OS version, GPON ports, and interface status .
- o View running and startup configurations: Commands like `display current-configuration` allow you to see configured IPs, VLANs, and service profiles .

Using SNMP and MIBs

- o SNMP can be used to query device status and performance metrics remotely.
- o Huawei provides the HUAWEI-XPON-TRAP-MIB, which defines GPON and EPON management objects, allowing monitoring of traps, alarms, and device events .

Key Device Information You Can Access

- o ONU/ONT ID and serial number (unique identifiers for each device)
- o Link and registration status (Up/Down, Registered/Unregistered)
- o PLOAM status (Operational state of the GPON interface)
- o Port role and active/standby state



View device information via Huijue GPON

o T-CONT and GEM port allocations for traffic management
o Service profiles applied to each ONT, including bandwidth and QoS settings By combining eSight GUI monitoring, CLI commands, and SNMP/MIB queries, you can comprehensively view and manage Huijue GPON device information, troubleshoot faults, and optimize network performance efficiently .

This repository contains the most frequently used troubleshooting, diagnostic, and recovery commands for GPON

we take Huawei EG8145V5 and Huawei MA5683T as examples to briefly introduce how to configure GPON ONT EG8145V5.

Learn how to retrieve vital information, configure settings, and diagnose network issues using these commands.

Disable/enable the Ethernet port on the ONT via OLT CLI command: interface eth eth_0/X state command syntax: interface eth

display gpon-info interface pon Function The display gpon-info interface pon command displays information about a gigabit passive

A complete reference of OLT configuration, troubleshooting, and monitoring commands for GPON/EPON devices

1. Hardware connection GPON-ONU-34-20BI plug in the Host device's GE fiber port.It convert GE uplink to GPON uplink and

eSight provides the GPON management function to help users know the network architecture of the GPON access network and node

It lists commands for checking uptime, boards, temperature, finding ONTs by serial number, ONT status, logs, power levels,

This document describes the Gigabit Passive Optical Network (GPON) technology and how it functions.

Run the display pon-transceiver interface pon interface-number command to view information about the optical module

From Online Devices list, you can view the connected device information such as IP address, name, and MAC address. From the

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Technical guides for Huawei OLT configuration, ONT provisioning, U2000 NMS deployment, iMaster NCE-FAN Lite installation,

Here some additional command for OLT Huawei : HOW TO CHECK MAC-ADDRESS PER-SLOT :
OL01#display mac

Before access to the ONT using Telnet or SSH, you need to log in to the ONT WebUI using the method shown in the first picture in

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Web: <https://kalutha.co.za>

