

## OLT BIP8 Error

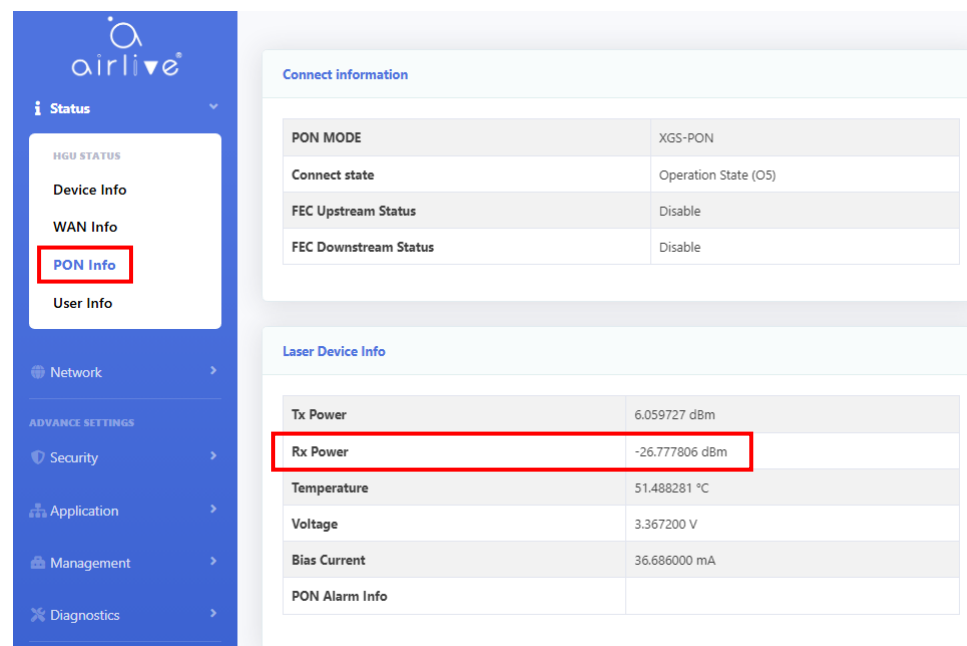
When the OLT shows a BIP8 error, it means that there are communication errors from the OLT to ONU and optical link quality issues.

**ONU BIP8 ERR PON 0/2 ONU 1 sn GPON0025e5c9 value 255**

### 1. Optical link quality bad

1) Please verify the ONU RX power in the ONU Web interface. Typically, the ONU RX power should be within the range of -3dBm to -28dBm.

The image below shows the AirLive ONU-10XGS-1004-10G as an example.



The screenshot displays the AirLive web interface for an ONU. The left sidebar shows navigation options: Status (selected), Device Info, WAN Info, PON Info (highlighted with a red box), and User Info. Below this are sections for Network, ADVANCE SETTINGS, Security, Application, Management, and Diagnostics. The main content area is divided into two sections:

- Connect information:** A table showing connection details.
 

PON MODE	XGS-PON
Connect state	Operation State (O5)
FEC Upstream Status	Disable
FEC Downstream Status	Disable
- Laser Device Info:** A table showing device parameters.
 

Tx Power	6.059727 dBm
Rx Power	-26.777806 dBm
Temperature	51.488281 °C
Voltage	3.367200 V
Bias Current	36.686000 mA
PON Alarm Info	

If ONU RX power shows '-inf' after fiber plug-in, please replace PON module and/or replace a with another ONU to check.

2) Please replace the PON module with another module.

3) Please replace the ONU with another ONU.