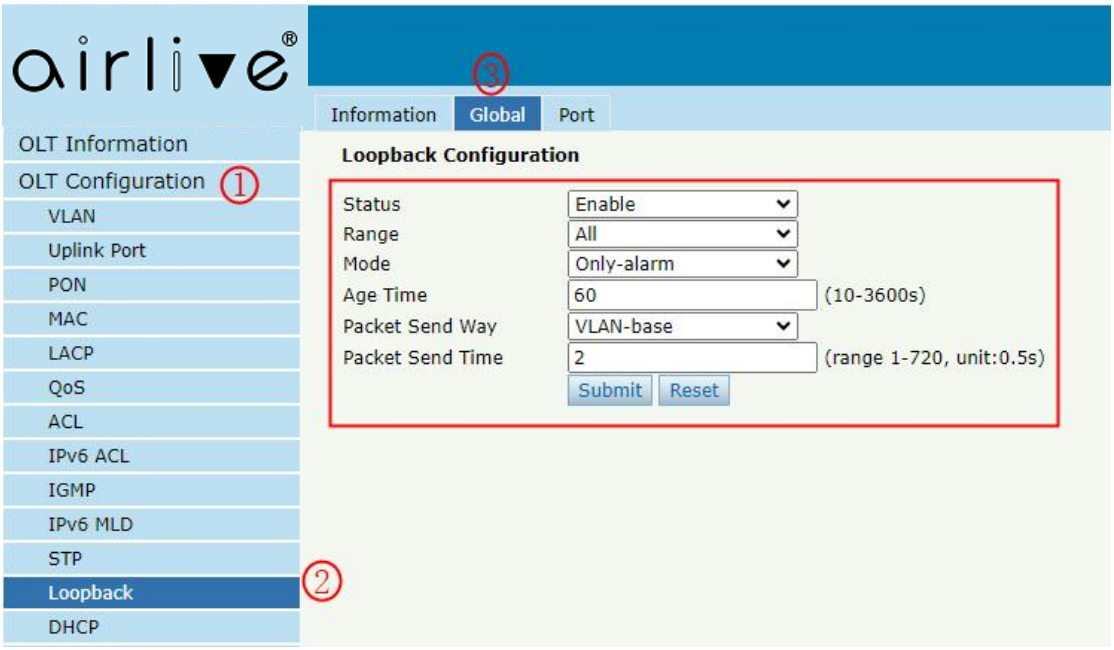
The Loopback function of OLT

1. When the network experiences excessive lag or receives a high volume of data packets, the OLT Loopback detection function can be activated to verify the presence of any loops.

2. Introduction to Loopback Configuration.

An GPON OLT has been used in this example, settings can vary slightly depending on the OLT model used. Please see the product user guide for more information.

2.1 OLT Configuration>Loopback>Global



Status: Enable or Disable the status of Loopback.

Range: Interface for enabling Loop detection.

Mode: Measures taken after the Loop has occurred.

Age Time: Aging time of Loop alarm list.

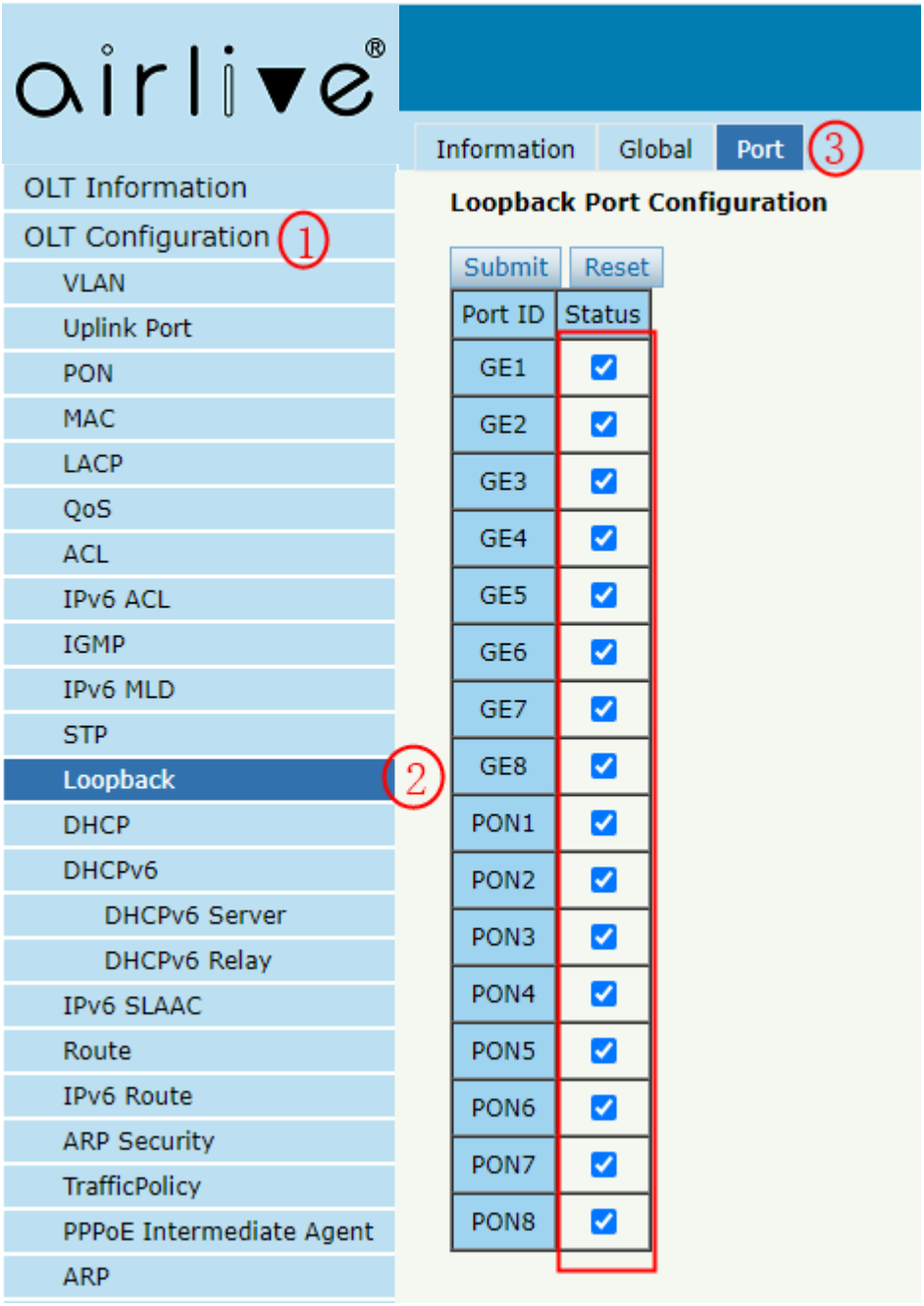
Packet Send Way:

1）VLAN-base: The Loop detection package includes VLAN and is transmitted based on the VLAN.

2）Port-base: The Loop detection package does not include VLAN and is transmitted based on the port.

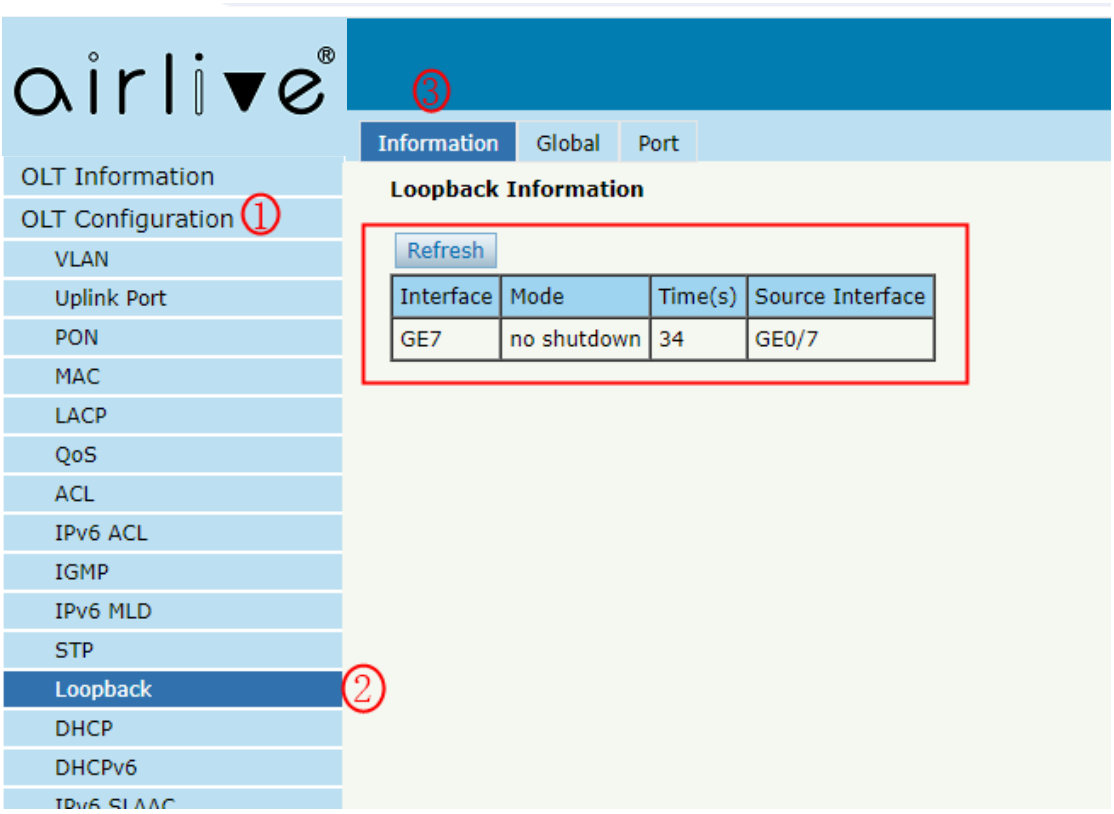
Packet Send Time: The Loop detection package delivery time interval.

2.2 OLT Configuration>Loopback>Port



Configure whether to enable the port for Loop detection.

2.3 OLT Configuration>Loopback>Port



Loop detection alarm list.

As shown in the above example, an alarm indicates a loop between GE7 and GE0/7. At this time, it is necessary to check if there is a Loop in GE0/7: it could be the wiring or the configuration has an setup error causing the Loop.