

GigaCore
ETHERNET SWITCHES

RELEASE NOTES

VERSION 3.0.2

Related products: GigaCore 10, 12, 14R, 16Xt, 16RFO, 26i

DOCUMENT INFORMATION

With this release Luminex commits to bringing the complete GigaCore range onto the same level regarding the use of multiple Groups (VLANs) allowing AVB and / or PTPv2 audio protocols (AES67, QSYS, ST2110) in one infrastructure.

WARNING:

A factory reset is needed after the upgrade to benefit from all new features. Please mind that following defaults settings have been changed:

- AVB now default enabled in management Group.
- PTPv2 end to end clocking is now available on all ports in all Groups.
- IGMP: Unknown flooding is now disabled by default.
- ISL: Management Group is now untagged by default on the ISL.

FEATURES:

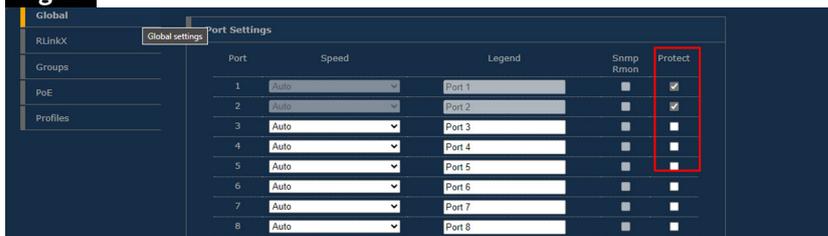
- AVB is now allowed in multiple groups. **[Fig 1]**

fig. 1



- PTPv2 E2E clocking is now enabled by default on all ports in all groups.
- WebUI:
 - Port protection feature has been added to prevent from accidentally selecting ports and changing their Group (VLAN) assignment. **[Fig 2]**

fig. 2



- WebUI:

- Configurable IGMP querier IP address dialog has been added. [Fig 3]



- The mode LED is now dim when the port is set to disabled.

IMPROVEMENTS:

- Default behaviour of flooding is now set to disabled.
- Automatic jumbo frame settings activated only on ports where an AVB device is connected to. This allows the use of AVB and Jumbo frame applications on the same switch.
- Management Group is now by default untagged on the ISL. [Fig 4]



- Improved robustness when handling BiDi SFP modules.
- For AVID setups: A GigaCore which is not a root bridge, now correctly follows the HelloTime of the root bridge. This results in that the HelloTime in an AVID AVB setup, does not need to be manually configured anymore.

DEPRECATED FEATURES:

- The AVB legacy selection box has been removed from the WebUI. The function remains accessible via API though.

BUG FIXES:

- PTPv2 Clock correction was not correctly enabled on every port which resulted in unstable PTPv2 clock.
- A bug was fixed where fiber ports on GigaCore 14R and GigaCore 16Xt were not always recognized as asCapable.
- Improved robustness on topology changes.
 - A topology change is not triggered anymore by connecting/disconnecting edge devices.
- A bug was fixed where custom VID settings would sometimes, depending on the order of making the changes, return to default value after a reboot.
- An issue was resolved when assigning a port to ISL that was previously assigned to a non-management group, had the incorrect native VLAN ID.
- Customised VLAN IDs in Groups now load correctly after reboot.
- A bug was fixed where IGMP LEAVE didn't always clean up the multicast entries correctly.