Luminex
NETWORK INTELLIGENCE

GigaCore
ETHERNET SWITCHES

RELEASE NOTES

VERSION 1.1.0
RELATED PRODUCTS:

GigaCore 30i

MADE IN BELGIUM

DOCUMENT INFORMATION

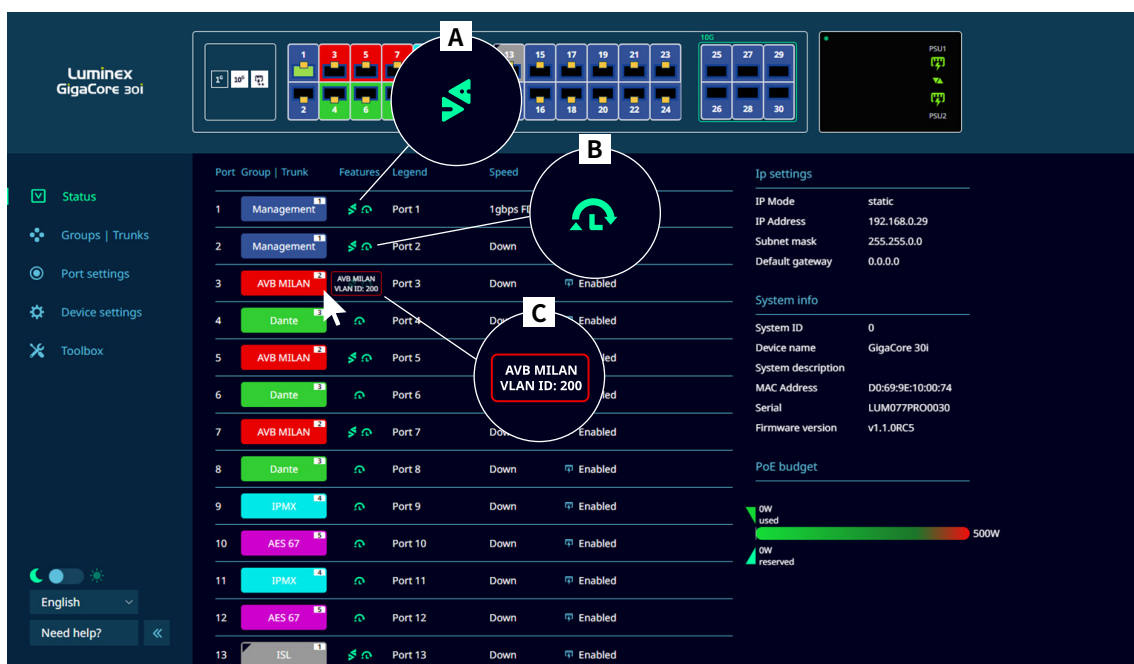With the release of Firmware V 1.1.0 Luminex brings AVB/MILAN support, and product improvements to the GigaCore 30i platform.

FEATURES

AVB/MILAN

- Support for the AVB/Milan network protocol is introduced and can be enabled per Group/VLAN.

- AVB can be enabled in multiple groups. They will appear to be isolated from an control point-of-view but will however share the same underlying gPTP clock master.

- For the management group, AVB is enabled by default and thus "out of the box" the unit comes with AVB enabled on all ports. Note for this default to be in effect on upgraded units, the GigaCore needs to be reset after the FW upgrade.

- The total number of allowed talkers has been restricted in accordance with Milan specifications.

- AVB can be used in convergence with PTPv2 E2E (end to end). PTPv2 E2E is enabled on all ports and can be used in multiple groups even in combination with groups running AVB gPTP.

- The WebUI now shows a features column on the Status page, indicating AVB per port.
  [See figure 1: **A – AVB symbol**]

- The WebUI now shows a features column on the Status page, indicating PTPv2 per port.
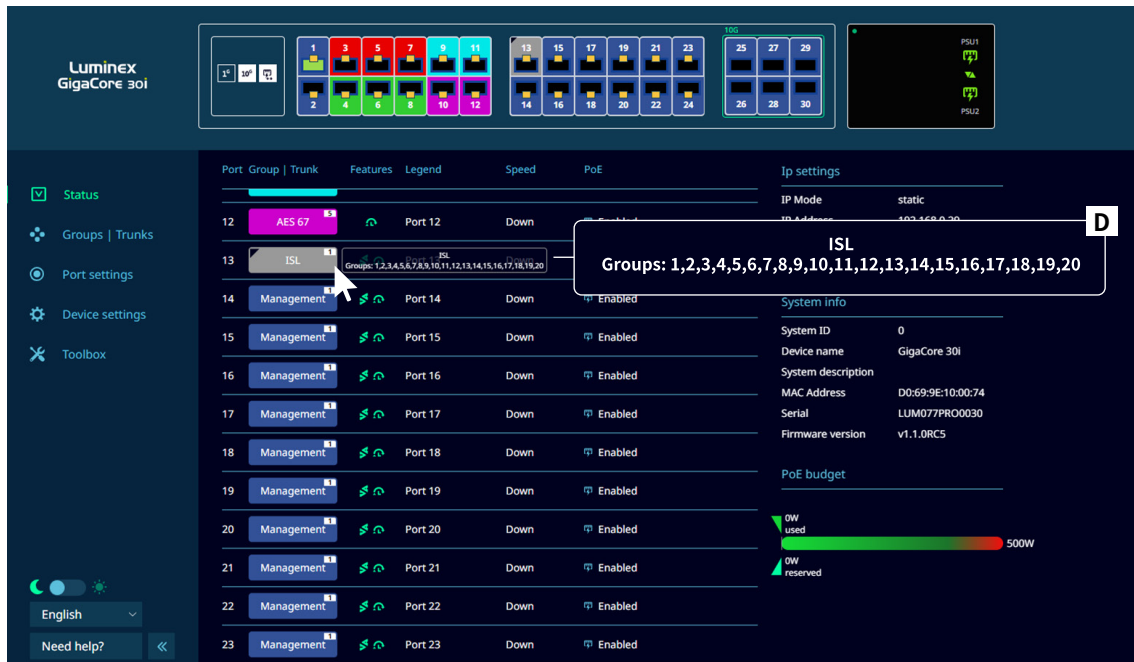 [See Figure 1: **B – PTPv2 symbol**]

Figure 1

PRODUCT IMPROVEMENTS

- When hovering over a group label in the webUI status page, a tooltip will now show also the set VLAN ID. [See figure 1 :**C**]

- When hovering over a trunk label in the webUI status page, a tooltip now shows also the group numbers contained within the trunk. [See figure 2: **D**]

- A bug is fixed where it was not possible to add a custom group through the WebUI.

- A change is applied to be more tolerant and to correctly apply the speed settings of SFP modules with inconsistent compliance settings (as noticed with some BiDi modules).

Figure 2

KNOWN ISSUES

- To be able to forward IPv6 multicast (MLD) traffic, unknown flooding has to be enabled.