



# **RELEASE NOTES**

VERSION 1.1.0 RELATED PRODUCTS:

GigaCore 30i



## **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

| Luminex<br>GigaCore 30i  |  | 27 29<br>28 30<br>28 30   |             |
|--|--|---|-------------|
| <ul> <li>Status</li> <li>Groups   Trunks</li> <li>Port settings</li> <li>Device settings</li> <li>Toolbox</li> </ul> | Port Group   Trunk Features Legend Speed<br>1 Management \$ 0 Port 1 1gbps F<br>2 Management \$ 0 Port 2 Down<br>3 AVB MILAN \$ Wilking Port 3 Down © Enabled<br>4 Dante \$ 0 Port 0 C Enabled<br>5 AVB MILAN \$ 0 Port 5 C Enabled<br>6 Dante \$ 0 Port 6 Port 6 Port 6<br>7 AVB MILAN \$ 0 Port 7 Down Enabled   | Lp settings       IP Mode     static       IP Address     192.168.0.29       Subnet mask     255.255.0.0       Default gateway     0.0.0       System InfO     0       Device name     0(g)aCore 301       System description     5       System description     100.6999:10:0074       Serial     LUM077PR00030       Firmware version     v1.1.0RC5 |             |
| English ~<br>Need help? 《  | 8     Dante     n     Port 8     Down     The Enabled       9     IPKX     n     Port 9     Down     The Enabled       10     AES 67     n     Port 10     Down     The Enabled       11     IPKX     n     Port 11     Down     The Enabled       12     AES 67     n     Port 12     Down     The Enabled       13     ISL     \$     n     Port 13     Down     The Enabled | POE budget<br>used<br>ww<br>reserved  | -<br>9 500W |

# Luminex

## 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).

| Luminex<br>GigaCore 30i |   | 12 5 17 19 21 22<br>14 16 18 20 22 24 25 | 27 29<br>28 30<br>28 30                          |
|-------------------------|---|--|--|
|                         | Port Group   Trunk Features Legend                      | Speed PoE                                | Ip settings                                      |
| ✓ Status                |   |  | IP Mode static                                   |
| 🔹 Groups   Trunks       | 12 AES 67 Port 12                                       | Down                                     | 10 Address 103 168 0 30                          |
| Port settings           | 13 ISL 1<br>Groups: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15 | Groups: 1,2,3,4,5,6                      | ISL<br>,7,8,9,10,11,12,13,14,15,16,17,18,19,20   |
| Device settings         | 14 Management 🕈 🎸 🔊 Port 14                             | Down GP Enabled                          | System info                                      |
| X Toolbox               | 15 Management 5 🔊 Port 15                               | Down 🖓 Enabled                           | System ID 0<br>Device name GigaCore 30i          |
|                         | 16 Management 🕈 🔊 Port 16                               | Down 👎 Enabled                           | System description MAC Address D0:69:9E:10:00:74 |
|                         | 17 Management 💈 🔊 Port 17                               | Down 👎 Enabled                           | Serial LUM077PRO0030                             |
|                         | 18 Management \$ n Port 18                              | Down 👎 Enabled                           | Firmware version v1.1.0RC5                       |
|                         | 19 Management \$ n Port 19                              | Down 👎 Enabled                           | PoE budget                                       |
|                         | 20 Management 💈 🙃 Port 20                               | Down 💬 Enabled                           | ow<br>used                                       |
|                         | 21 Management \$ n Port 21                              | Down 🕫 Enabled                           | OW reserved                                      |
| C D 🔅<br>English V      | 22 Management \$ n Port 22                              | Down 🤛 Enabled                           |  |
| Need help? 《            | 23 Management \$ 🔊 Port 23                              | Down 👎 Enabled                           |  |

**KNOWN ISSUES** 

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

Figure 2