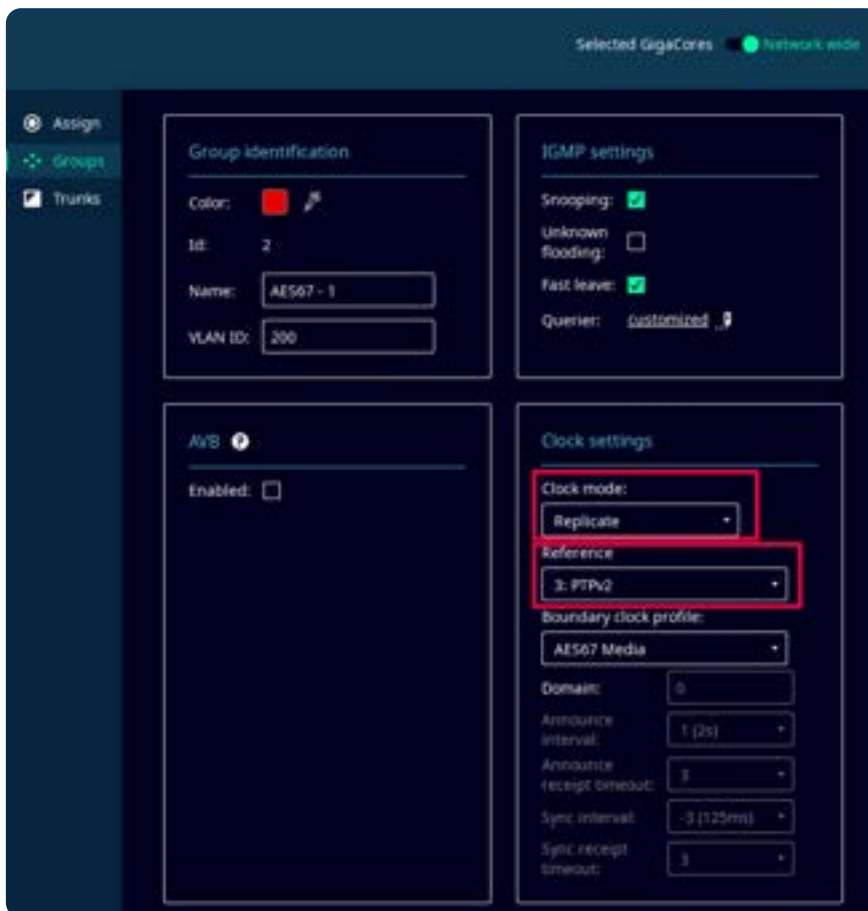# araneo™

Release notes.

Version 1.9.0

We are excited to announce the release of Araneo v1.9.0, which includes new features, UI enhancements, and bug fixes:

New Features

◼ Clock Replication Mode

Available for GigaCore models 10i, 10t, 16i, 16t, 18t, 20t, and 30i (GigaCore FW 1.5.1 or higher). The "Replicate" option can now be selected as a Clock mode in Group settings.

This clock mode replicates the boundary clock configured on another Group or originating from the gPTP clock, supporting the new PTPv2 boundary clock features. This enhancement makes GigaCore ideal for broadcast and other applications using RAVENNA/AES67, ST2110 protocols, and red/blue redundant setups.

■ **MultiLinkX**

MultiLinkX can now be enabled on ISL and Custom Trunks for GigaCore models 10i, 10t, 16i, 16t, 18t, 20t, and 30i (GigaCore FW 1.5.1 or higher).

With MultiLinkX, up to 8 ports can be aggregated to increase available bandwidth and throughput, supporting high-bandwidth applications. Trunk connections to neighboring switches will aggregate automatically, with each switch supporting up to 6 distinct link aggregations.

Araneo will display aggregated ports with:

- A status line indicating active MultiLinkX (white) or enabled but non-aggregated ports (magenta) (MultiLinkX filter).
- Mrouter port icons (IGMP filter).
- RSTP port status (RSTP filter).
- RLinkX connection status (RLinkX filter).
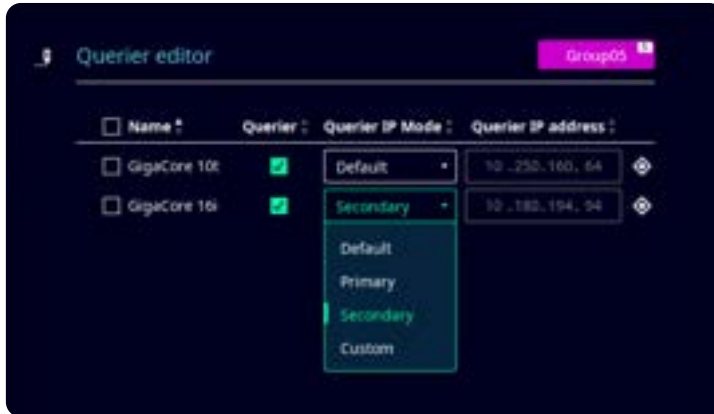- Multicast address registrations (IGMP tab).

■ **IGMP Querier Dialog**

In the Group window, the "Querier" edit icon opens the Querier editor dialog.

Configurable settings per GigaCore include enabling/disabling the Querier, selecting the IP mode (default, secondary, primary, etc.), and setting the IP address. These settings can be applied to:

- All Groups (default, recommended).
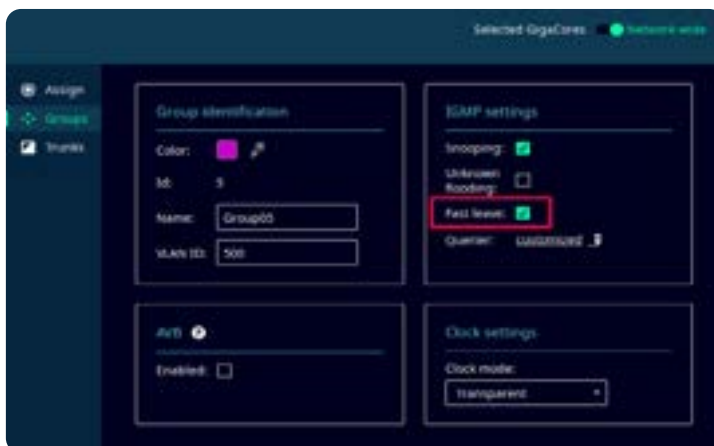- Only the currently edited Group.

MADE IN BELGIUM

This allows users to strategically place the querier positioning in the network, consistently over all groups (VLANs) at once, enhancing multicast registration and data path efficiency.

IGMP Fast Leave

A new "Fast Leave" checkbox is available in the IGMP settings when adding or editing a Group. For GigaCore models 10i, 10t, 16i, 16t, 18t, 20t, and 30i (GigaCore FW 1.5.1 or higher).

This setting enables quicker bandwidth release when devices no longer need specific multicast streams and no other devices on that link have registrations to those streams.

■ Edge Device Details

You can now add metadata for edge devices to better understand connected devices and improve workflow.

Double-clicking an Edge device in the Araneo Grid will open a web browser, directing you to the specified "URL."

- For LLDP-enabled devices, the URL is automatically constructed (http://lldp-ip-address) but can be edited.

The "Locate" button allows you to search on this data.

This information is saved in the Project file, and loading the Project file restores these manually entered details.

UI Improvements

■ Fiber Loss Disparity Warning

New option in Settings > Health Check: enable/disable "Fiber Loss Warning" and define a fiber loss disparity threshold (recommended setting is 2dB). This value does not reflect the loss itself, but the difference in loss between the 2 fiber strings (rx/tx) which should be close to 0. So change this value with care.

■ PTPv2 Enhancements

GrandMaster clock ID and priority1 are now displayed.

■ AVB Warning Details

Warning details are now accessible via a tooltip next to the AVB checkbox in Group settings. Enabling AVB in a Group will not automatically disable MultiLinkX if that Group is part of an ISL or Custom Trunk with MultiLinkX enabled, but a warning will appear.

- Note: In older generation GigaCore switches, enabling AVB still disables MultiLinkX.

■ RLinkX Warning Notifications

Notifications appear when:

- Disabling RLinkX on an ISL or Trunk.
- Assigning an ISL or Trunk to a port with RLinkX disabled.
- Deploying a project with ports assigned to an ISL or Trunk but with RLinkX disabled.

■ Traffic Tab and Column Sorting

Uniform control toggles and column sorting applied across the application.

◼ macOS Network Interface Display

macOS network interfaces now display with human-readable names.

◼ Log File Additions

Added log messages for Querier changes and IGMP registrations.

Bug Fixes & Stability Improvements

◼ General

- Replaced disk cache with memory cache for faster response in large deployments.
- Fixed a bug causing LumiNodes to reconnect when clearing a large Network Log.
- Corrected false positive health check warnings.
- Addressed GigaCore 30i PSU information display issues.
- Fixed CodeMeter installation issues on macOS 15.0 (Sequoia).
- Resolved a crash of Araneo on macOS caused by network interface state changes.

MA-Net3 Integration Improvements

◼ Improvements and Fixes

- Corrected detection of GigaCore and MA device connections.
- Updated MA-Net3 priority value mappings.
- Fixed group/link speed display in MA-Net3 overview.
- "Clean graph" now clears any MANet3 onPC instances after shutdown.
- Highlighted correct connection paths for MA-Net3.

MADE IN BELGIUM