GIGACORE

Release notes.

Version 1.5.1

Applicable models: GigaCore 10i, 16i, 30i, 10t, 16t, 18t, 20t

This release introduces new features, improvements, and bug fixes.
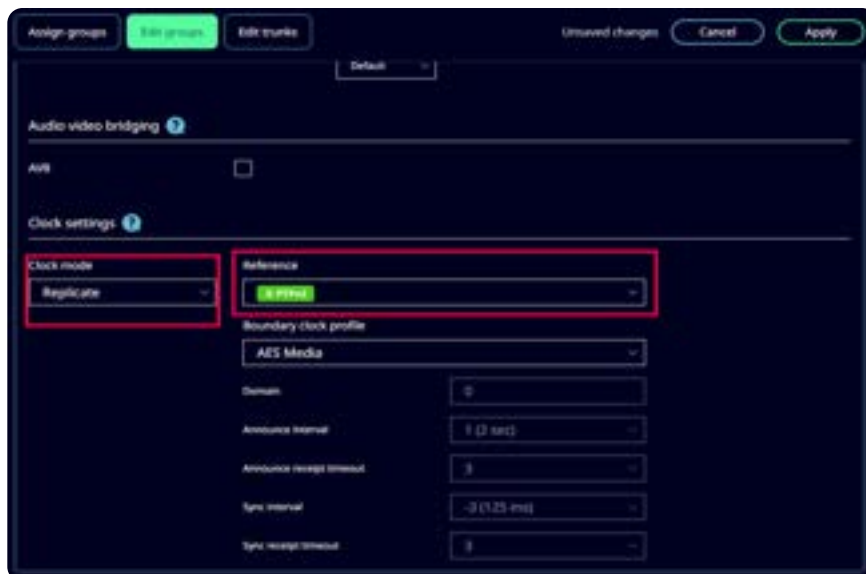
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New Features

■ Clock Replication Mode

The "Replicate" option is now available as a Clock mode in Group settings. This mode replicates the boundary clock configured on another Group or one that originates from the gPTP clock.

This feature enhances support for the recently introduced PTPv2 boundary clock capabilities, making GigaCore an ideal solution for broadcast and other applications using protocols like RAVENNA/AES67 and ST2110 in red/blue redundant setups.

■ MultiLinkX

MultiLinkX allows you to aggregate up to 8 ports to increase available bandwidth and throughput, supporting applications with higher bandwidth requirements. When enabled, trunk connections to neighboring switches will aggregate automatically. Each switch can support up to 6 distinct link aggregations.

■ IGMP Fast Leave

When editing a Group, you'll now see a new checkbox labeled "Fast Leave" in the IGMP settings. This option quickly frees up bandwidth when devices no longer need to receive certain multicast streams and no other devices on that link have registrations to those streams.

Improvements

■ MLD (IPv6 Multicast Listener Discovery)

IPv6 MLD is now supported by default on GigaCore. MLD snooping can be disabled along with IGMP snooping by unchecking the IGMP snooping checkbox. As IPv6 adoption grows, this feature enables GigaCore to manage multicast traffic effectively for those applications, preparing it for scalability.

Bug Fixes & Stability Improvements

■ Dante Packet Handling

Resolved an issue where certain Dante packets were processed by the CPU instead of through hardware, improving network performance.

Known Limitation

■ Boundary Clock Performance

During an RSTP topology change, boundary clock performance may be affected if many different clocks (4 or more, depending on the application) are running over the same trunk connection. This is expected to improve in a next firmware release.