



TERACertified™ Solutions

Over the last few years, Hyperscalers have been taking advantage of dis-aggregated switch designs to enable best-in-class solutions and lower networking TCO in their data centers. They typically have large inhouse staff to support the integration efforts in Switch design, Network OS integration and Optics qualification. In other words, to leverage the advantages of disaggregation -- it can be a heavy lift for many data center operators. Industry efforts at disaggregation in the past have failed to enable best-in-class switch solutions. A comprehensive disaggregated solution requires four essential elements: robust solutions, open hardware and software, single point of support and disruptive TCO.

Innovium is introducing TERACertified™ solutions to bring the benefits of disaggregation to customers beyond the Hyperscalers, to a wide range of customers.

What are TERACertified Solutions?

The TERACertified™ solutions are highly robust switch systems designed in partnership with key ODM partners and delivered with Innovium's rigorous certification process. They use Innovium's TERALYNX switch silicon and open-source SONiC Network OS that has been deployed by hyperscalers and leading enterprises. They are ready-to-deploy and built from silicon up, pre-validated with optics, cables and hardened SONiC. The TERACertified solutions offer a comprehensive portfolio of 100G, 200G, 400G Ethernet switches with 10/25GbE to 400GbE connectivity, ideal for all tiers of the data center network. They deliver unmatched performance, lowest latency, ultra-low power and the industry's most advanced FLASHLIGHT analytics.



HIGHLIGHTS

- Built with proven and breakthrough TERALYNX Switch Silicon
- Meets strict certification criteria and design best practices
- Extensive design audits & reviews, including testing
- Stringent temp, voltage and manufacturing requirements
- Tested and Validated for Software & Hardware
- Solution level testing with optics/cables and SONiC software
- Comprehensive performance and scale tests with traffic

CUSTOMER BENEFITS

- DC optimized hardware and open NOS without compromise
 - Highest Performance
 - Lowest Latency
 - Most Power Efficient
 - Advanced FLASHLIGHT Analytics
- Deploy disaggregated Solution without a large inhouse staff
- Lower risk of deployment
- Lower Power Profile for overall DC efficiency and better TCO
- Single Point of Contact for service and support



	1RU, 32xQSFP28 (100G)	1RU 32xQSFP56 (100/200G)	1RU 32xQSFP-DD (400G)
Part Number	ICS5300-32C	ICS5610-32V	ICS7700-32D
Capacity	3.2 Tbps	6.4 Tbps	12.8Tbps
Interface Speeds	10, 25, 40, 50 & 100GbE	10, 25, 40, 50, 100 & 200GbE	10, 25, 40, 50, 100, 200 & 400GbE
Configs Supported	32x100GbE, 64x50GbE, 128x10/25GbE	32x200GbE, 64x100GbE, 128x10/25/50GbE	32x400GbE, 64x200GbE, 128x100GbE
Availability	Mid-2021	Mid-2021	Mid-2021
Use Cases	Top of Rack (TOR) & Edge Applications	Top of Rack (TOR) & Edge Applications	All Data Center Tiers incl. DCI

Software

SONiC is the fast growing, de-facto open-source NOS for data centers, adopted by leading companies, enterprise and tier-2 cloud providers. SONiC provides customers faster innovation, agility, and greater control compared to proprietary OS from traditional networking vendors.

Innovium provides hardened and rich SONiC support through the entire TERCertified Product line and has deployed SONiC at some of the biggest data centers. Innovium contributes to the SONiC community and creates targeted value-added features to enable complete solutions for end-customers and partners that leverage TERALYNX's unique capabilities such as FLASHLIGHT™ telemetry.

Service and Support

Customers will have a single point of support, for both hardware and software. Innovium will manage the support interface and work to resolve the issues in conjunction with system partners.

About Innovium

Innovium is a leading provider of high performance, innovative switching silicon solutions for Cloud and Edge data centers. Innovium TERALYNX family delivers software compatible products ranging from 1Tbps to 25.6Tbps with unmatched telemetry, low latency, programmability, and large buffers, and a feature rich architecture that scales to 51.2Tbps+. Innovium's products have been selected and validated by market-leading switch OEM, ODM and cloud providers. The company is headquartered in Silicon Valley, California and is backed by leading venture capital firms including Greylock Partners, Walden Riverwood, Capricorn Investment Group, Qualcomm Ventures, S-Cubed Capital and Redline Capital. For more information, please visit: <http://www.innovium.com>



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