



Credo, DriveNets, and UfiSpace Demonstrate a 250% increase in scale and 100% increase in the power efficiency of Proven Disaggregated Routing Platform

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New implementation of a 350Tb DDC medium cluster based on Broadcom's Jericho2c+ ASIC and is the largest Distributed Disaggregated Chassis shown to date



San Jose, Calif., May 11, 2021 – [Credo](#), a global innovation leader in advanced connectivity solutions delivering high performance, low power connectivity solutions for 100G, 400G, and 800G port-enabled networks, today announced a new implementation of a 350Tb medium cluster distributed disaggregated chassis (DDC) routing platform using HiWire™ LP CLOS Active Electrical Cables.

The platform was designed in collaboration with [DriveNets](#), an innovator bringing the architectural model of hyperscalers to Telco-grade networks through cloud-native software, and [UfiSpace](#), a leader in 5G network white-box platform solutions. The three companies partnered in 2020 to present the first public showing of a 96Tb Jericho2 to Ramon medium cluster DDC implementation. The DDC Router concept was proposed to the Open Compute Project ([OCP](#)) by [AT&T](#) in 2020.

This new design delivers 350Tb capacity in three racks and is based on Broadcom's Jericho2c+ ASIC, built into new third-generation Network Cloud Platform (NCP3) white boxes by UfiSpace. It runs DriveNets Network Cloud software. The cluster has a 250% increase in capacity and scalability than the 96Tb platform demonstrated last year.

Front panel connectivity in this DDC implementation uses over 1,000 (nearly 2 miles) of Credo's 400Gb HiWire LP CLOS AECs. The new generation of cables consumes just 4.5W per end, contributing to the 100% power efficiency gain compared to the 96Tb implementation last year. The lightweight and flexibility resolve density, weight, and airflow issues that make it extremely challenging to use DACs.

The implementation also demonstrates by traditional tray-style routing and more efficient, cost-effective, and easier-to-maintain HPC-style routing.

"This new implementation is a further demonstration critical role AECs play in enabling front-panel connectivity to support the scalability and flexibility intended in DDC implementations," said Don Barnetson, Credo VP of HiWire Products. "We are pleased to have continued our collaboration with DriveNets and UfiSpace as we've each brought new generations to market that makes the possible," Barnetson continued.

For more information about Credo HiWire AECs, visit <https://www.credosemi.com/hiwire>.

About Credo

[Credo](#) is a leading provider of high-performance serial connectivity solutions for the hyperscale datacenter, 5G carrier, enterprise networking, artificial

intelligence, and high-performance computing markets. Credo's solutions deliver the bandwidth, scalability, and end-to-end signal integrity for next-generation platforms requiring 25G, 50G, and 100G signal lane-rate connectivity for 100G, 200G, 400G, and 800G port enabled networks. Credo's [HiWire™ Active Electrical Cables](#) deliver plug-and-play 400G connectivity today that is more affordable than optical solutions and more reliable than copper. For more information, please visit <https://www.credosemi.com>. Follow Credo on [LinkedIn](#) and [Twitter](#).

About DriveNets

[DriveNets](#) helps Communications Service Providers (CSPs) take advantage of the greatest demand surge in Telco history, substantially growing their profitability by changing their technological and economic models. DriveNets' solution, Network Cloud, changes the traditional networking architecture that has been in place for the past twenty years by adapting the architectural model of hyperscalers to Telco-grade networking. Network Cloud is a cloud-native software that runs over standard white-boxes, radically simplifying the network's operational model, offering Telco-scale performance at a much lower cost.

About UfiSpace

[UfiSpace](#) Co., Ltd. spearheads the 5G network white-box platform solution by providing US major network operators the capability to support legacy baseband unit systems and next-gen 5G baseband unit systems operating at 10/25 Gbps and with backhaul speeds of 100/400 Gbps. UfiSpace is a champion of open commodity hardware and disaggregated NOS architectures which enable a more flexible, scalable, and cost-effective alternative to the traditional proprietary, closed system. UfiSpace leverages its expertise in hardware platforms together with orchestration and virtualization techniques developed by partners to accelerate 5G deployments and the transformation to software-defined infrastructure