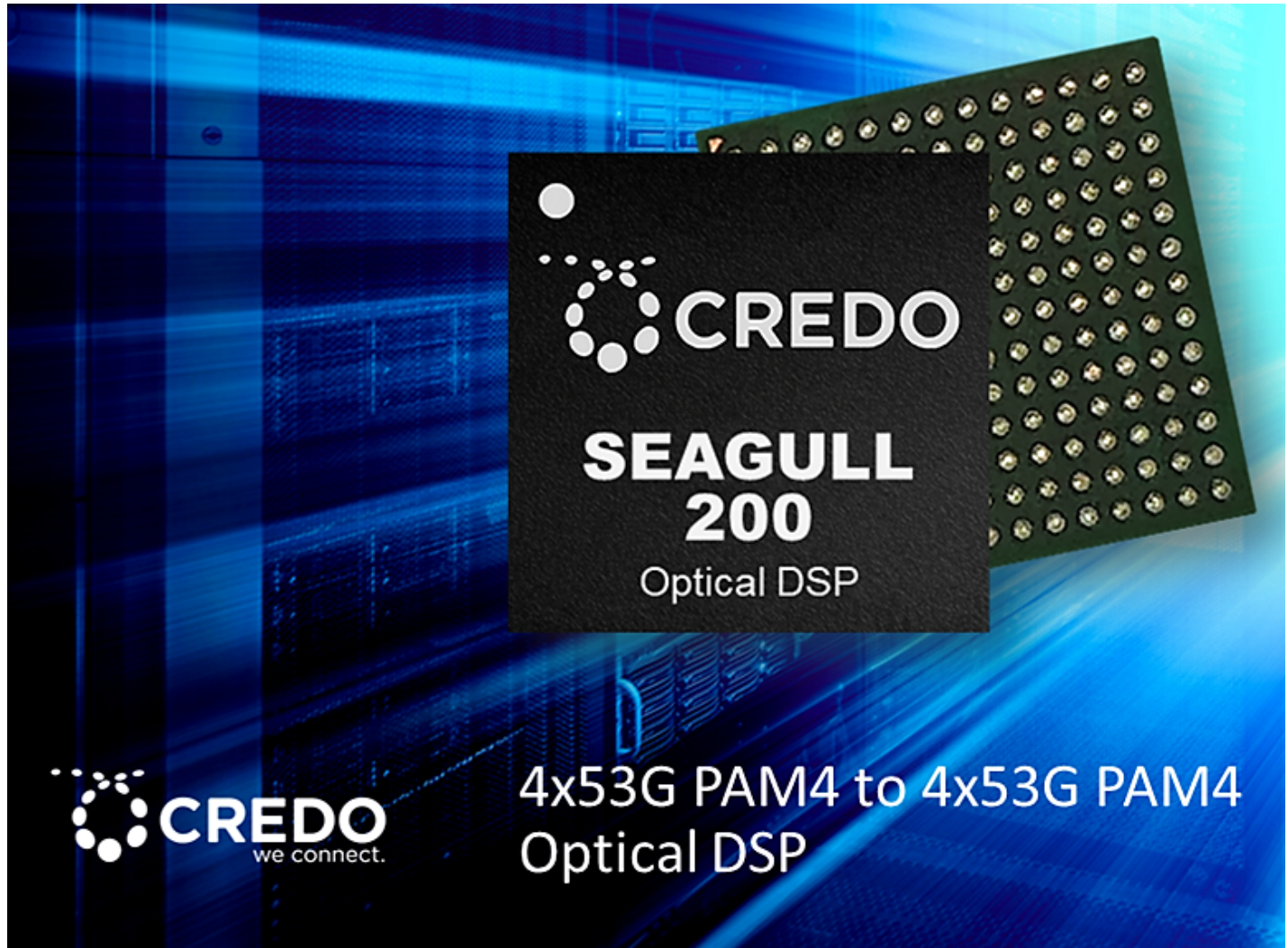




Credo Introduces Seagull 200 PAM4 Optical DSP for High Performance Data Centers and 5G Wireless Networks

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Seagull 200 is the next product in the SEAGULL Platform and a bridge between 5G Wireless Networking and DOVE Platform Data Center Applications



Credo, a global innovation leader in high performance, low power serial connectivity solutions, today announced [Seagull 200](#), the next product in Credo's SEAGULL Platform, to support the ever-growing bandwidth demand on datacenter and wireless networks. The Seagull 200 [Optical DSP](#) supports high performance QSFP56 optical modules to enable 200GbE SR4, DR4, FR4, and LR4 applications in hyperscale data centers, cloud networks and 5G wireless mid-haul and back-haul networks.

Seagull 200 accepts four lanes of 53.125Gbps (26.5625Gbaud) PAM4 on the client (host) interface and sends the traffic to four lanes of 53.125Gbps PAM4 signal on the optical (line) interface. The device is designed in Credo's unique architecture and optimized for die size and mainstream silicon process technology, enabling low cost-of-ownership and accelerating 200GbE market adoption.

Seagull 200 (CFD50502) integrates high-performance digital signal processing (DSP) engine and equalization techniques to compensate for optical impairments while achieving good BER performance and maintaining industry leading low power dissipation. The architecture has minimal and deterministic latency that is needed in the mobile infrastructure. Seagull 200 comes with advanced diagnostics and loopback features to reduce time-to-market and aid with rapid system debug. The device footprint is compatible with Credo's low power Dove 200 Optical DSP, which allows customers to design a common PCB for either component and choose the DSP that best meets the application need.

"Seagull 200 is the ideal high-performance and low power DSP for data centers and for 5G wireless mid-haul and back-haul deploying PAM4 networks," said Scott Feller, Vice President of Marketing at Credo. "The low power and fixed latency enable 200G upgrades on the next generation wireless networks," Feller added.

"Radio Access Network architectures are undergoing a significant change, driving higher bandwidth demands for front haul and mid haul connections," said Chris DePuy, Technology Analyst at 650 Group. "For those new, distributed RAN systems to keep up with 5G wireless demand, high-speed optical interfaces to connect

radios and baseband systems are critical. Additionally, we see other applications for 200 GbE optical systems in edge cloud systems, which will drive additional volume that will reduce unit costs.”

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.

For more information, please visit: <https://www.credosemi.com>. Follow Credo on [LinkedIn](#) and [Twitter](#).