



Gennum Announces Industry's First Single-Chip 10G EPON Transceiver

New GN7350 Burst Mode Transceiver with Integrated CDR Offers Customers High Performance Single-Chip Solution

The **GN7350** will provide customers a single transceiver chip solution that will help reduce power and cost while enhancing ONU (optical network unit) performance.

The GN7350 was designed in response to customer requests and satisfies a specific market need; to enable early testing of 10G EPON systems. The GN7350 combines functionality from Gennum's industry-leading CDR (clock and data recovery) and laser driver technologies to enable customers to build prototype systems for in-house and field testing. With field-proven experience supplying optical solutions for 10G networks, customers can be confident that choosing the GN7350 is a reliable solution for their next generation designs.

Gennum's industry-leading, production-proven CDR embedded in the GN7350 is designed to enhance robustness of 10G EPON links by eliminating the excessive channel noise that is present in PON systems. Through re-timing the high speed signal, the CDR within the GN7350 ensures highest link margin and lowest jitter signal. This provides much needed margin on the IEEE P802.3av 10G EPON standard, simplifies the module design, and enables interoperability with different MAC (Media Access Control) vendors. Gennum's long-standing leadership in CDR technology allows for easy integration of this functionality into the chip, while still meeting the cost structure and low power consumption that PON systems demand.

"The GN7350 is another example of Gennum's commitment to provide the optical market with leadership products. This single-chip solution, the first custom 10G burst mode transceiver will help reduce the BOM and design efforts to enable a faster, more reliable deployment of next generation EPON systems. The GN7350 single chip solution will offer customers time-to-market advantage as they begin to deploy next generation 10G EPON networks.

Gennum GN7350 Availability

The GN7350 is currently sampling in limited quantities.