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Xsight Labs is Sampling a 25.6T Switch for Data

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Israeli Startup Aims to Rearchitect the Foundation of Cloud Infrastructure

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SambaNova Emerges From Stealth With Record-Breaking AI System

SambaNova, one of the AI chip startup "unicorns," has emerged from stealth mode after three years to announce its first product, a system-level AI accelerator for hyperscale and enterprise data centers and high performance computing (HPC) applications.

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TALK TO US



Solid-State Two-Wire LED Dimmer for Intelligent Control

Amber Solutions has introduced a solid-state two-wire dimmer solution that works without a neutral wire. It is compatible with most lighting and LED technology and it provides an intelligent control and homogeneous dimming with a slim form factor which is 3/4 inch deep.

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EVENTS

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FeFET Memory Startup gets \$20m to Turn Logic into Memory Cells

The Ferroelectric Memory Company (FMC), a startup in Dresden, Germany, has raised \$20 million in an oversubscribed series B funding round, to bring its ferroelectric field-effect transistor (FeFET) memory solution to the non-volatile memory market.

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SambaNova, one of the AI chip startup "unicorns," has emerged from stealth mode after three years to announce its first product, a system-level AI accelerator for hyperscale and enterprise data centers and high performance computing (HPC) applications. SambaNova's business model includes selling various configurations of the DataScale rack-based system, as well as renting them out for a monthly subscription in an offering the company calls "Dataflow-as-a-service".

Founded in Palo Alto, California in 2017, SambaNova has been in stealth mode until now, though the company has released some details about its "software defined hardware" chip architecture. The startup has raised \$456 million in three rounds of funding to date, and is reportedly valued at more than \$2.5 billion.

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In an EE Times interview, Thar Casey, CEO at Amber, highlighted how this new two-wire solution allows electrical infrastructures to offer a controlled dimming without additional wiring, thus eliminating the old TRIAC.

In some circumstances, the electrical infrastructure is outdated in older buildings, posing a problem for implementing intelligent systems and limiting the transition towards a full smart home. A topic for an efficient smart home is the smooth zero-percent to max-power dimming capability.

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In an interview with EE Times, Ali Pourkeramati, CEO of FMC, said there's considerable interest in its FeFET memory. The company has exclusive license to two fundamental FeFET patents through the Technische Universität Dresden (TUD). The company was spun out from TU Dresden in 2016 by its co-founders Stefan Muller and Menno Mennenga.