

RNS Reach

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ETHERNITY NETWORKS LIMITED

("Ethernity" or the "Company")

Ethernity Networks Launches New ENET-D Ethernet Controller FPGA Engine

Ethernity Networks (AIM: ENET.L), a leading supplier of data processing offload solutions on programmable hardware for accelerating telco/cloud networks, today introduced its ENET-D, an add-on Ethernet Controller technology to its ACE-NIC100 SmartNIC that efficiently processes millions of data flows and offers performance acceleration for networking and security appliances.

ENET-D is an Ethernet adapter and DMA (direct memory access) engine that eliminates the need for proprietary hardware on a network interface card. By fitting into various FPGAs and enabling customers to further avoid ASIC-based components, ENET-D advances complete disaggregation at the edge of the network.

This disaggregation adds flexibility to the network and saves operators significantly on operating expenses such as power consumption and physical space on the NIC. Moreover, because ENET-D is implemented on fully programmable FPGA hardware, it eliminates the need to replace monolithic ASIC-based hardware with upgrades or new devices that include a broader feature set. Replacing field-deployed hardware to support new functionality can cost up to five times the initial cost of the hardware itself.

ENET-D can be combined with Ethernity's ENET Flow Processor and run on Ethernity's cost-optimized and affordable ACE-NIC100 FPGA SmartNIC to deliver a complete Router-on-a-NIC with integrated Ethernet controller. It is capable of connecting to multiple virtual machines, containers, or virtual networking functions.

"ENET-D is an important step toward supporting our current and future customers that are demanding further disaggregation of their 5G networks," said David Levi, Ethernity Networks CEO. "This is an exciting technological development for our company in that we can now offer operators a complete Ethernet controller within the FPGA on our SmartNIC. This will significantly reduce their operating costs and eliminate ASIC vendor lock-in for the emerging edge compute market."

About Ethernity Networks

[Ethernity Networks](#) (AIM: ENET.L) provides innovative, comprehensive networking and security solutions on programmable hardware for accelerating telco/cloud networks. Ethernity's FPGA logic offers complete Carrier Ethernet Switch Router data plane processing and control software

with a rich set of networking features, robust security, and a wide range of virtual function accelerations to optimize telecommunications networks. Ethernity's complete solutions quickly adapt to customers' changing needs, improving time-to-market and facilitating the deployment of 5G, edge computing, and NFV.

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