

# Ethernity Networks Successfully Completes Delivery of Its ACE-NIC100 for Major Korean OEM

100Gbps SmartNIC featuring Ethernity's leading ENET Flow Processor FPGA software provides accelerated networking performance for telco/cloud appliances

Ethernity Networks (AIM: ENET.L), a leading innovator of software-defined network processing and security solutions on programmable hardware, today announces it has successfully completed inaugural delivery of its 100Gbps ACE-NIC100 FPGA SmartNIC to a major Korean OEM.

The ACE-NIC100 will be incorporated into commercial off-the-shelf (COTS) servers that come with fewer CPU cores compared to regular data centre servers, resulting in significant power and cost reduction. The combination of the powerful ACE-NIC100 with edge-optimised COTS servers deliver a high-performance yet affordable and energy efficient platform, ideal for network edge virtualisation.

"Our Korean customer's investment in building an edge solution based on our ACE-NIC100 shows recognition of Ethernity's leadership as a provider of networking and security processing software and firmware technology in the field of FPGA SmartNICs," said David Levi, CEO at Ethernity Networks. "This is further proof and support of our position that FPGA-based technologies are the ideal platform for data path networking acceleration."

The contract between Ethernity and the Korean OEM signed in June 2018 specified the final delivery of a customized solution on FPGA, embedding Ethernity's rich networking features including hierarchical QoS, flow classification, protocol offloading, and routing, with scheduled end-of-year acceptance by the customer.

Leveraging Ethernity's successful experience with multiple customers of its first-generation ACE-NIC40 SmartNIC, the next-generation ACE-NIC100 is scheduled for further delivery this year to additional partners and OEMs. This is aligned with the Company's strategy of transitioning from selling technology to offering complete products and solutions, which is expected to result in anticipated significant growth for the Company.

For more information on the ACE-NIC100, please meet us at the IMA Pavilion in Hall 2 of the Mobile World Congress 2019 in Barcelona, February 25-28, or visit our website.

## Terms used in this release:

**Edge Computing** - A paradigm in which computation occurs in distributed devices toward the edge of the network instead of in a centralized cloud or data centre

**Network edge virtualisation** - The application of a simulated computing environment through software (instead of a physical version) to functions and applications at the edge of the network, thereby enabling network agility and reduced operator costs

**Hierarchical QoS** - Hierarchical Quality of Service. A feature that improves network efficiency by classifying, prioritising, and scheduling user data traffic, and by allocating network resources to services based on that prioritisation

**Flow classification** - The automated application of a policy to sequences of user data traffic, categorising them in order to assign them a priority level within the network traffic

**Protocol offloading** - A process that removes data processing protocols from CPUs and assigns them to network interface cards, which are better equipped to handle them, thereby improving performance and reducing CPU overhead

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**About Ethernity Networks**

Ethernity Networks (AIM: ENET.L) provides innovative software-defined networking and security solutions on programmable hardware for accelerating telco/cloud networks. Ported onto any FPGA, Ethernity's software offers complete data layer processing with a rich set of networking features, robust security, and a wide range of virtual functions to optimize your network. Our ACE-NIC smart network adapters, ENET SoCs, and turnkey network appliances offer best-in-class all-programmable platforms for the telecom, cloud service provider, and enterprise markets. We offer our customers complete solutions that quickly adapt to their changing needs, improving time-to-market and facilitating the deployment of edge computing, 5G, IoT, and NFV.