

## ETHERNITY NETWORKS LTD

("Ethernity" or the "Company")

### **FiberHome Selects Ethernity Network's ACE-NIC100 to Power New FitBNG**

Ethernity Networks (AIM: ENET.L), a leading innovator of comprehensive networking and security solutions on programmable hardware, announced today that its ACE-NIC100 FPGA SmartNIC has been selected for implementation within the FitBNG, the latest Broadband Network Gateway (BNG) product by FiberHome Telecommunication Technologies, a major Chinese networking and telecommunication equipment provider.

The accelerated platform will integrate FiberHome's BNG software and Ethernity's SmartNIC hardware using standard DPDK (data plane development kit) to fully offload up to 80Gbps of data processing to the ACE-NIC100's onboard FPGA. This will minimize CPU intervention, saving CPU cycles and significantly reducing CPU power and cost. Moreover, the ACE-NIC100 will support tens of thousands of subscribers with PPPoE (Point-to-Point Protocol over Ethernet) termination, performance monitoring counters per subscriber, and hierarchical quality of service (H-QoS), which is impractical for implementation in software-only BNG.

The resulting product will be promoted to FiberHome's core Chinese telecom operator clients, including China Unicom, China Telecom, and others, that serve tens of millions of households.

Mr. Wang Ye, Director of NFV Product Lines at FiberHome commented:

*"We have been working closely with Ethernity for months to develop a solution that includes the performance and features that best fit our needs. Ethernity's ACE-NIC100, with its high throughput and offloading capabilities, is an ideal fit for our FitBNG solution architecture, and by reducing the required CPU cores, we have improved our cost efficiency as well. It's a very powerful enabler for FiberHome."*

David Levi, CEO of Ethernity Networks commented:

*"We are thrilled that FiberHome chose Ethernity's SmartNIC to accelerate their new FitBNG. With FiberHome's powerful software and Ethernity's FPGA-based hardware, the product will provide high performance and reduced cost through hardware acceleration, making it especially attractive to Chinese service providers."*

The new product will be jointly showcased by Ethernity and FiberHome at Mobile World Congress Shanghai 2019 from June 26-28 at Hall N2 Booth E70.

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### **About Ethernity Networks**

[Ethernity Networks](#) (AIM: ENET.L) provides innovative comprehensive networking and security solutions on programmable hardware for accelerating telco/cloud networks. Ported onto any FPGA, Ethernity's software offers complete data plane 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.

### **About FiberHome**

[FiberHome Telecommunication Technologies Co., Ltd.](#) (600498.SS) is a globally renowned information and communication network product and solution provider. Since its establishment in 1999, FiberHome has been devoted to the progress and development of optical communications and accumulated profound understanding of and creativity on information and communication. At present, FiberHome has become one of the world's ten most competitive enterprises in optical communications. It ranks among the top five enterprises in the world in income from optical transport products, top four in the world in income from broadband access products, and top four in the world in overall strength of optical cables. It has ranked first in export among optical cable enterprises of China for eight consecutive years.