

ENET Insights

Newsletter, April 2019



Welcome to the Spring 2019 edition of the Ethernity Networks newsletter!

It has been an eventful first quarter for us at Ethernity, releasing two new network appliances – ENET vRouter and ENET VPN Gateway – and participating in two major industry events – Mobile World Congress 2019 and CloudFest 2019. With everyone we've spoken to, a consistent theme keeps emerging: both CPUs and FPGAs are necessary and must work in complement. CPUs are less optimal for handling massive amounts of traffic, so FPGA acceleration is necessary to economically address telecom and cloud providers' need for deterministic high performance, especially at the network edge, while maintaining full programmability.

We hope you'll enjoy the content we have collected below and find it useful. If you have feedback, questions, or suggestions, please feel free to contact me at liorm@ethernitynet.com.

All the best,

Lior Mishan,
Head of Marketing



Market Intelligence

Why CTOs Should Reconsider FPGAs

Many CTOs are overlooking a key technology needed to step up their infrastructure and use the most efficient tools and programs available in order to differentiate their enterprises: field-programmable gate array (FPGA)-based accelerators... [Read more](#)

DPDK — One API to Rule Them All?

"The larger observation is that DPDK is now less about accelerating NFV, and more about having a uniform API and abstraction layer for core functions important to high-performance I/O and packet processing. DPDK is a Linux user-space framework that now provides an abstraction to more than acceleration..." Sounds like Ethernity made the right choice in choosing DPDK APIs for offloading the data plane to FPGAs!... [Read more](#)

Is a New Network Just a Virtual Router?

An enlightening explanation of three approaches to virtualization from well-respected industry thought leader Tom Nolle. Ethernity believes that Tier1 operators are widely implementing hosted routers or white boxes with some overlay first, while planning for a complete overlay approach in the future to simplify their networks. This is a great idea as long as they remember the limitations of the CPU for data forwarding and opt instead for FPGA acceleration to achieve deterministic high performance... [Read more](#)

Future Networking Survey Report (March 2019)

This new report explores the key factors that will empower the future network-enabled communications and cloud markets... [Read more](#)

Ethernity Perspective



Virtualizing the Telecom Edge

Article:

The Future of the Central Office

In this period of massive change across the telecom industry, communications service providers (CSPs) are under increasing stress to provide an ever-growing array of services to millions of on-demand subscribers... [Read more](#)

Blog Post:
CloudFest Showcases a Dynamic, Energetic Industry
At last week's CloudFest, a couple of trends kept surfacing in terms of the market's immediate and longer-term needs. The two major areas of concern that stood out were power consumption and security... [Read more](#)



Blog Post:
FPGA Questions and Answers: Part I
Ethernity welcomes questions about FPGAs. It's a topic we love to talk about... [Read more](#)

Blog Post:
Assessing the APAC Multi-Access Edge Computing Market
An update on the potential for MEC deployments in APAC... [Read more](#)



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Ethernity News

Press Release: Ethernity Networks Introduces Affordable Programmable VPN Gateway... [Read more](#)

Article: Ethernity ENET vRouter Aimed at a Programmable Network Bottleneck... [Read more](#)

Press Release: Ethernity Networks Releases Affordable, All-Programmable 100G ENET vRouter... [Read more](#)

Press Release: Ethernity Networks Successfully Completes Delivery of Its ACE-NIC100 for Major Korean OEM... [Read more](#)

Recent Videos



Ethernity's CEO Speaks at MWC2019



ENET vRouter Demo



Company Overview in 77 sec



Ethernity's CEO Presents at CloudFest 2019

Upcoming Events

MWCS 2019 Shanghai
[Click to arrange a meeting](#)



Happy Holidays

The Ethernity Family Wishes You



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