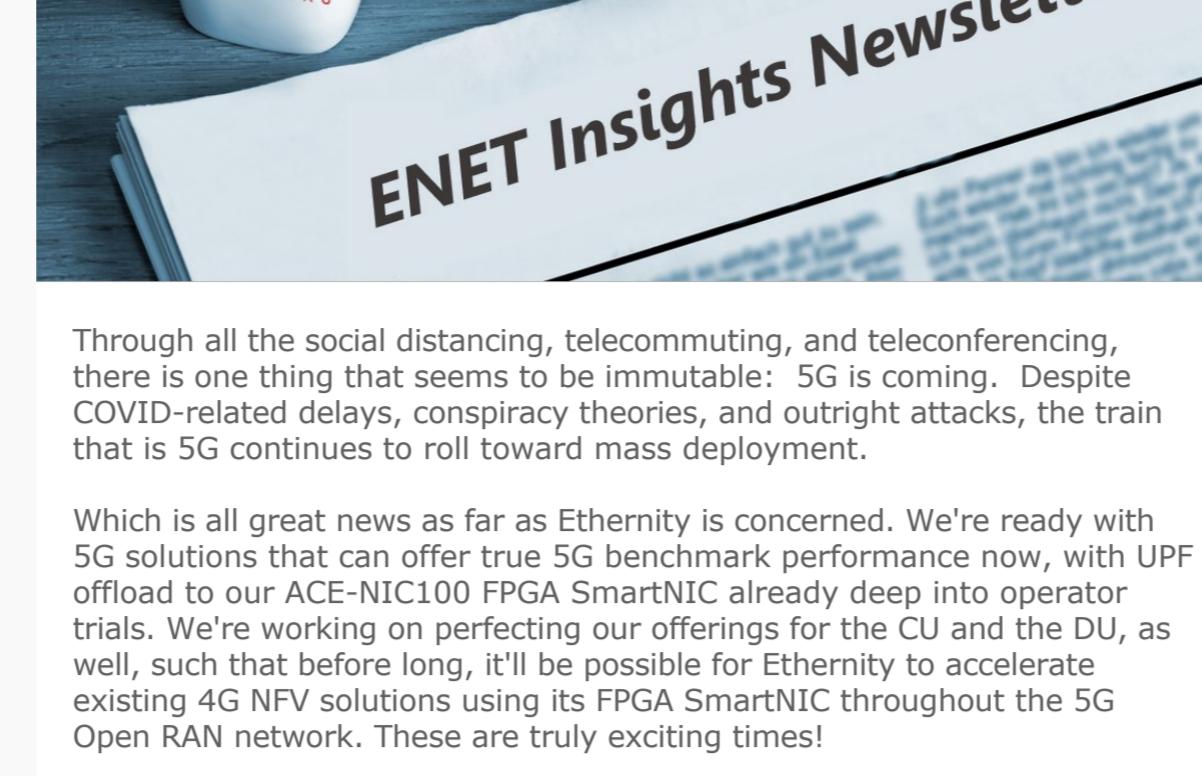


ETHERNITY NETWORKS

ENET Insights

Newsletter, July 2020



Through all the social distancing, telecommuting, and teleconferencing, there is one thing that seems to be immutable: 5G is coming. Despite COVID-related delays, conspiracy theories, and outright attacks, the train that is 5G continues to roll toward mass deployment.

Which is all great news as far as Ethernity is concerned. We're ready with 5G solutions that can offer true 5G benchmark performance now, with UPF offload to our ACE-NIC100 FPGA SmartNIC already deep into operator trials. We're working on perfecting our offerings for the CU and the DU, as well, such that before long, it'll be possible for Ethernity to accelerate existing 4G NFV solutions using its FPGA SmartNIC throughout the 5G Open RAN network. These are truly exciting times!

As we do every quarter, we've collected a number of relevant articles, news reports, and posts for you to stay attuned to the topics that matter to Ethernity and to our industry. We hope you'll read this newsletter in good health and safe tidings.

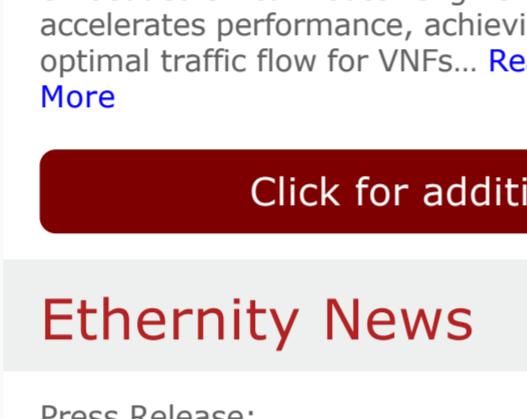
As always, I welcome your feedback at briank@ethernitynet.com, and I look forward to the opportunity to work together.

All the best,

Brian Klaff,
Marketing Director

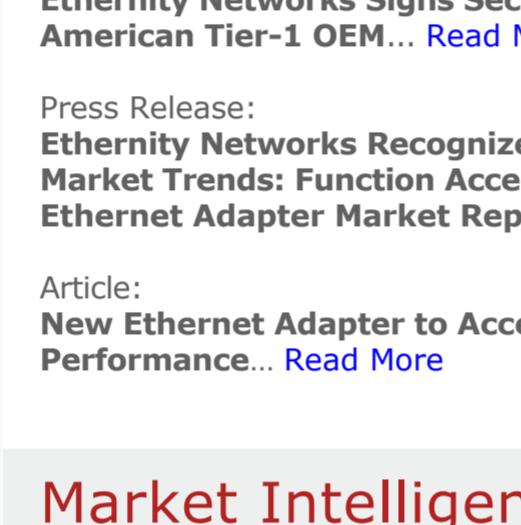


Ethernity Perspective



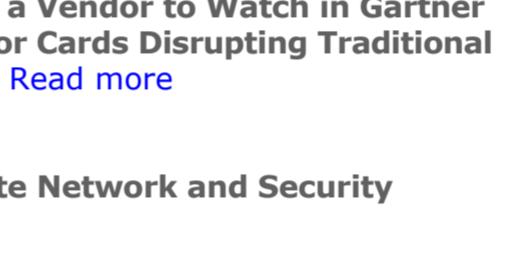
Article: How FPGAs Enable Wearable Technology

Traditional hardware appliances are rapidly being replaced by software-defined networking and network virtualization, offering service providers and others tremendous flexibility in features and vendor choice... [Read More](#)



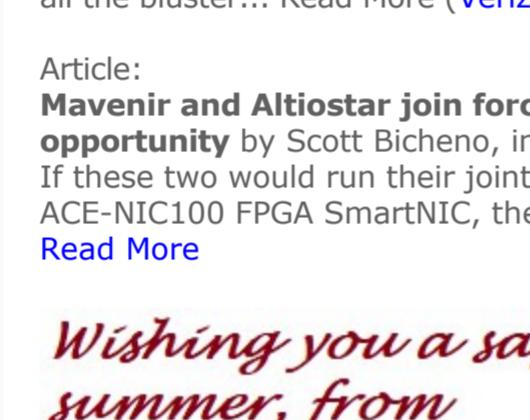
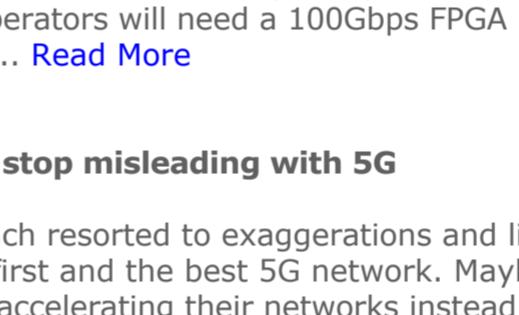
Blog Post: Concerned about 5G? Here's Why You Shouldn't Be

Misinformation related to 5G can seem insidiously scientific, making it difficult to know what to believe. CEO David Levi explains why there's no need to be scared... [Read More](#)



Blog Post: Ethernity Demo of 5G UPF Offload

The ACE-NIC100 shows high flow counts at high throughput with the required features to implement the 5G data plane efficiently and with high performance... [Read More](#)



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New Ethernet Adapter to Accelerate Network and Security Performance... [Read More](#)

Market Intelligence

Article:

The Right Hardware for 5G by Darren Vallis of Ampere, in a guest blog in Embedded Computing Design
An excellent case why open solutions are critical for 5G, which is why Ethernity believes FPGAs are an ideal platform for acceleration... [Read More](#)

Article:

Verizon: The fastest 5G in the world – report by Mike Dano, Light Reading

The AT&T and T-Mobile numbers in this article confirm Ethernity's analysis that 5G is likely to provide 50Mbps with 1:5 oversubscription (20% availability), meaning that network operators will need a 100Gbps FPGA SmartNIC per 10,000 5G subscribers... [Read More](#)

Article:

Both Verizon and AT&T are told to stop misleading with 5G messaging

The two largest US operators have each resorted to exaggerations and lies as they compete to be the country's first and the best 5G network. Maybe they should speak to Ethernity about accelerating their networks instead of all the bluster... [Read More](#) ([Verizon](#)) ([AT&T](#))

Article:

Mavenir and Altostar join forces to exploit the US OpenRAN opportunity by Scott Bicheno, in Telecoms.com

If these two would run their joint O-RAN software solutions over Ethernity's ACE-NIC100 FPGA SmartNIC, they could reduce CAPEX by up to 80%... [Read More](#)

Wishing you a safe summer, from Ethernity Networks

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