

Lynx Software Technologies

NEWS & UPDATES



June was a pivotal month for Lynx Software! A monumental milestone was announced that the company received a substantial investment from [OceanSound Partners](#). Lynx also announced a new CEO, [Tim Reed](#), as Gurjot Singh pursued his planned path toward retirement. What do these changes mean to you?

- The company now has a significantly stronger financial base from which to work
- Our focus on solving the hardest safety and/or cybersecurity challenges in military, avionics, and federal market segments remains the same
- We will invest in resources to accelerate our roadmap plans, broaden our product portfolio, and support you better



Lynx and Intel have been working closely across a range of customer projects which use members of the Xeon and/or Atom product families. Recent work includes

- A release of [LYNX MOSA.ic for Avionics](#) (MfA) THIS MONTH that supports ElkHart Lake
- A complete release of MfA for [TigerLake](#)
- Early definition work on supporting the IceLake processor
- Meeting SEAL certification for both the LynxOS-178 and LynxSecure products on Intel's Denverton processor

In summary, if it's a "Lake" from Intel - the chances are that Lynx is supporting it!

Lynx has focused on harnessing all possible hardware hooks in the Intel processors to deliver strong isolation between applications running in virtual machines and guaranteeing performance levels no matter what else is happening in the system.

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You don't always need or want a full multi-process environment when developing lightweight POSIX applications. Sometimes a single-process, multi-threaded environment is all you need. That's where the LynxElement unikernel comes into play.

LynxElement provides developers a lightweight, low overhead, POSIX environment for their applications. LynxElement only links support for the POSIX libraries and kernel support needed for your application to run inside a LynxSecure bare-metal environment. That allows LynxElement to reduce code size, reduce and remove attack surfaces, and improve application performance while eliminating context switching overhead.

Learn more about [LynxElement](#) on our website.

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LYNX | OS-178®

Our [LynxOS-178](#) platform for safety-critical applications such as military and aerospace systems now supports IPv6! Support for IPv6 will enable devices running on LynxOS-178 with advanced addressing and other enhancements such as improved security via support for IPsec as well as simplified packet processing to be better equipped for performance. IPv6 is the culmination of a number of requests for comments (RFC) issued by the Internet Engineering Task Force (IETF) that outline the behavior, innovations, methods and research around how the internet and internet-connected systems work. In updating LynxOS-178, Lynx has prioritized those RFCs of most interest to the avionics market and has attained compliance with the most stringent safety certification, [DO-178C DAL A](#).

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