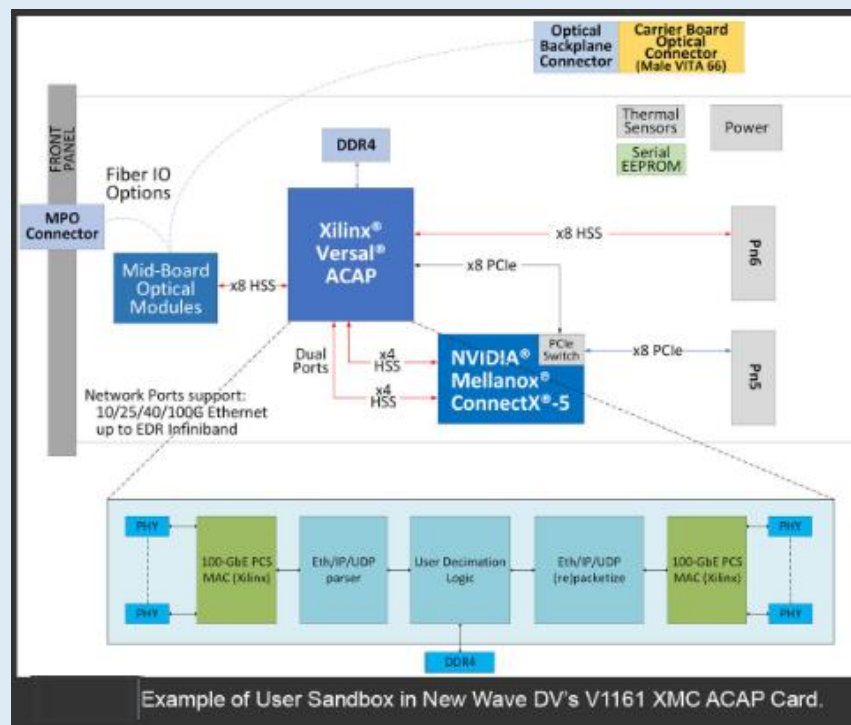


Applications

Radar Systems

Advanced digital radar systems that can detect targets in complex, high-clutter environments are essential for mission-critical operations such as defense, search and rescue, and offshore security. Digital radar systems provide activity monitoring, target detection and classification, guidance, and encroachment notification. Additionally, active electronically scanned (AESA) phased array digital radar systems, which reinforce antenna signals in desired directions and suppress them in others, can perform search, track, and guidance functions for scores of simultaneous targets. New Wave DV offers radar interface card hardware compatible with XMC, VPX, PCIe, and PXIe form factors. Leave the details of the interface to New Wave DV, let your team focus on the design of the radar itself. The best part is, the hardware's protocol IP is customizable, allowing end-users to add their own hardware-based processing to the radar interface card, reducing processor burden and latency while increasing determinism.

Our embedded radar interface cards are purpose-built for extreme environments, high-bandwidth networking, and interface applications. The [V1153](#), [V1160](#), [V1161](#) XMC cards and [V6061](#) & [V6063](#) 3U VPX modules will withstand harsh environments while staying within your SWaP and budget requirements. Supporting temperature ranges from -40°C to +85°C and complying with VITA 20 standards, each XMC card delivers a reliable, long-lasting solution for your rugged embedded needs.



[NewWaveDV Products](#)

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