

WE INNOVATE. WE DELIVER.
YOU SUCCEED.

Addressing the Platform Challenges of Next Generation Electronic Warfare Systems

Haydn Nelson

Director of Marketing and AE, 4DSP Products



abaco.com | [@AbacoSys](https://twitter.com/AbacoSys)

Electronic Warfare



Electronic Attack



Electronic Protect

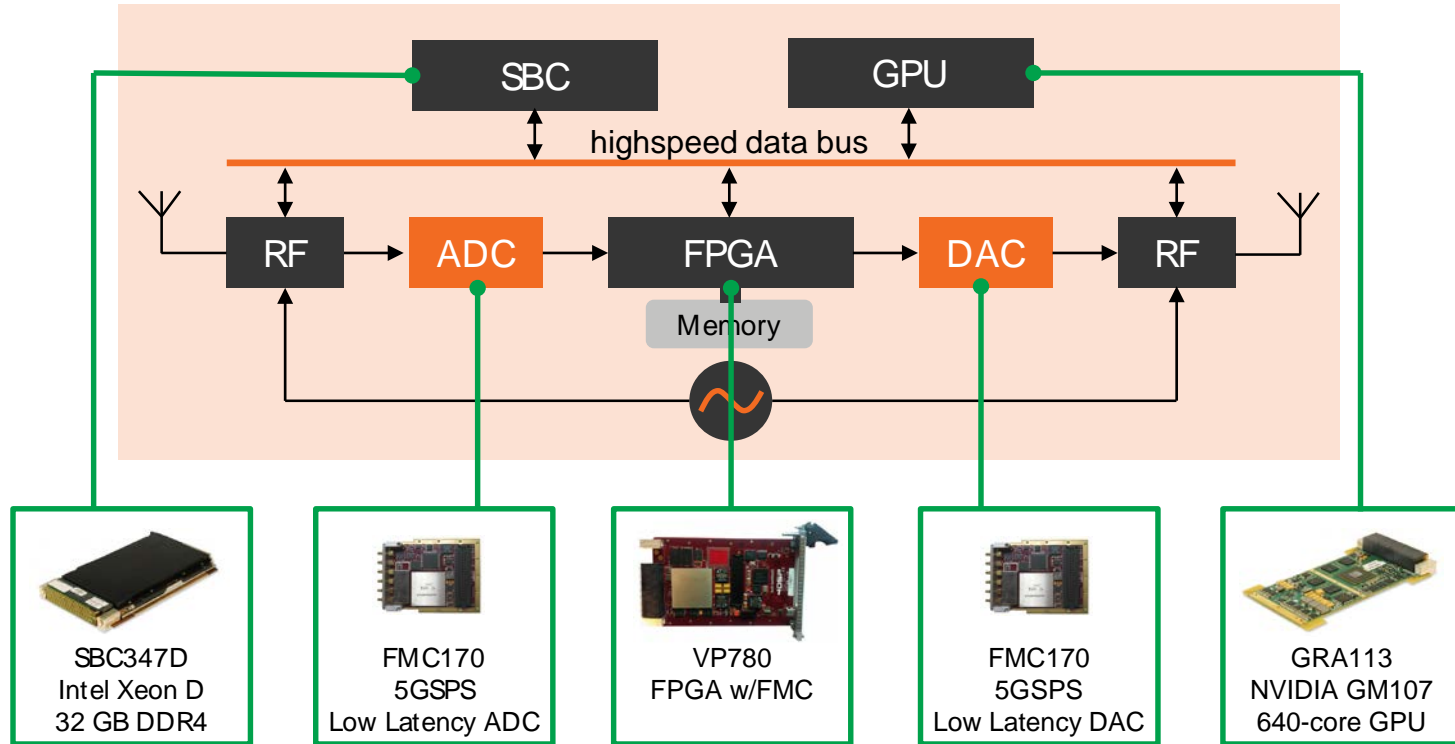


Electronic Warfare
Support

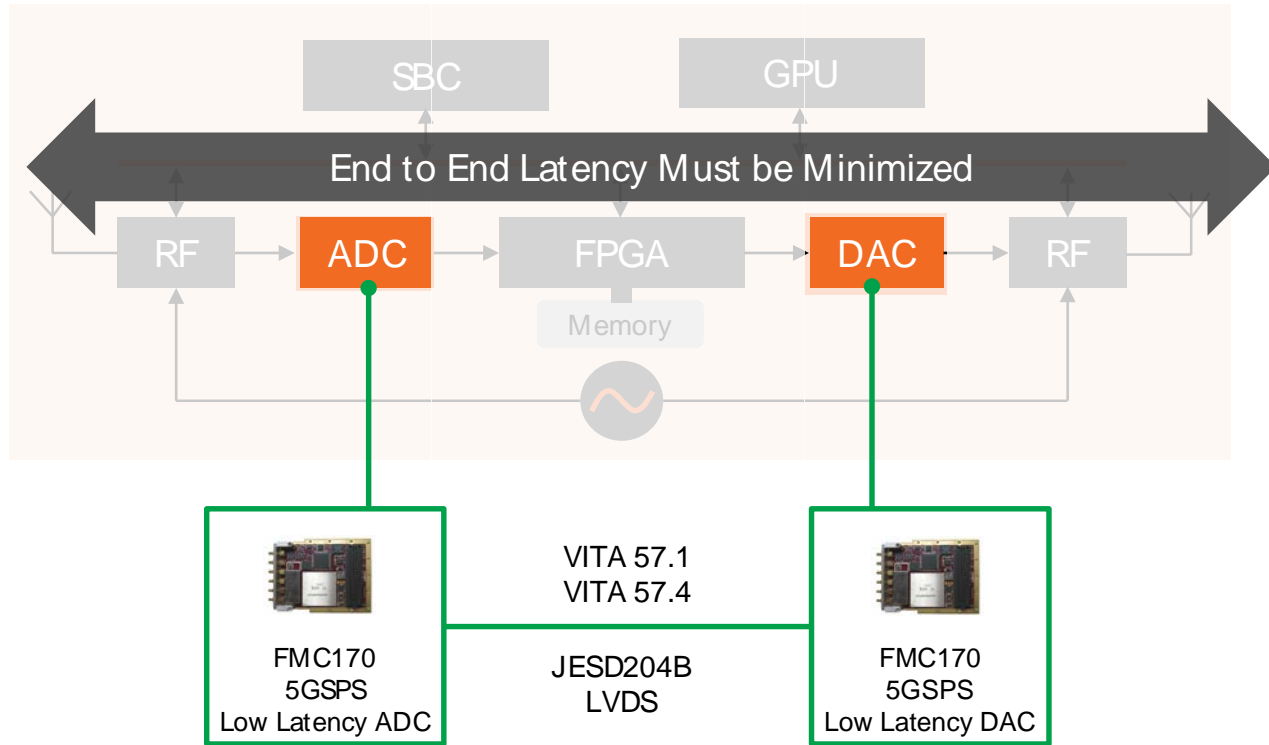
Typical Electronic Attack Mission



Traditional Electronic Warfare System



EW Platform Challenge: Latency

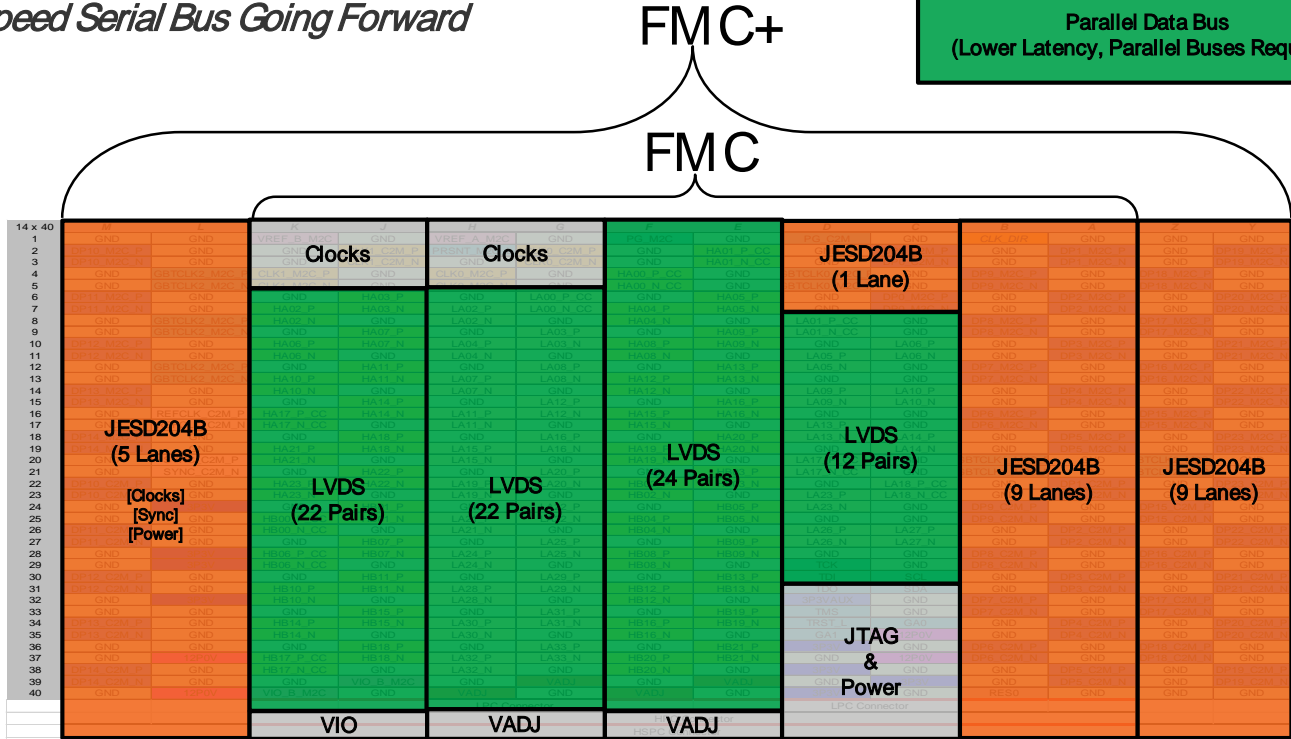


VITA 57.1 & VITA 57.4 Pinout

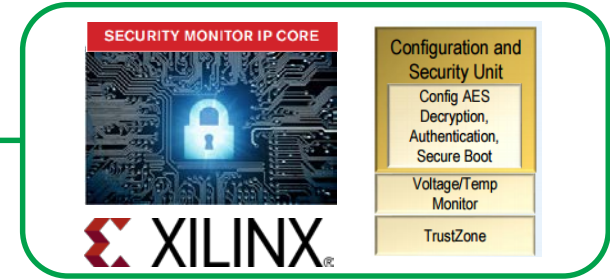
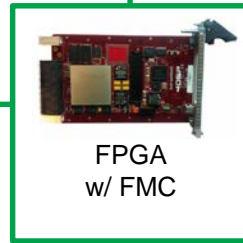
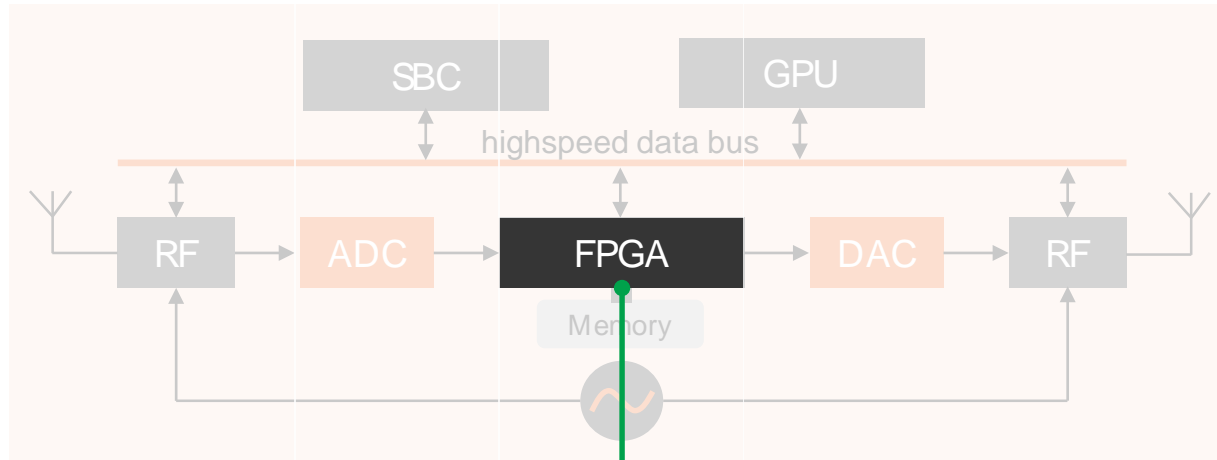
Favors High Speed Serial Bus Going Forward

High Speed Serial Lane
(Higher Latency, Higher Data Rates)

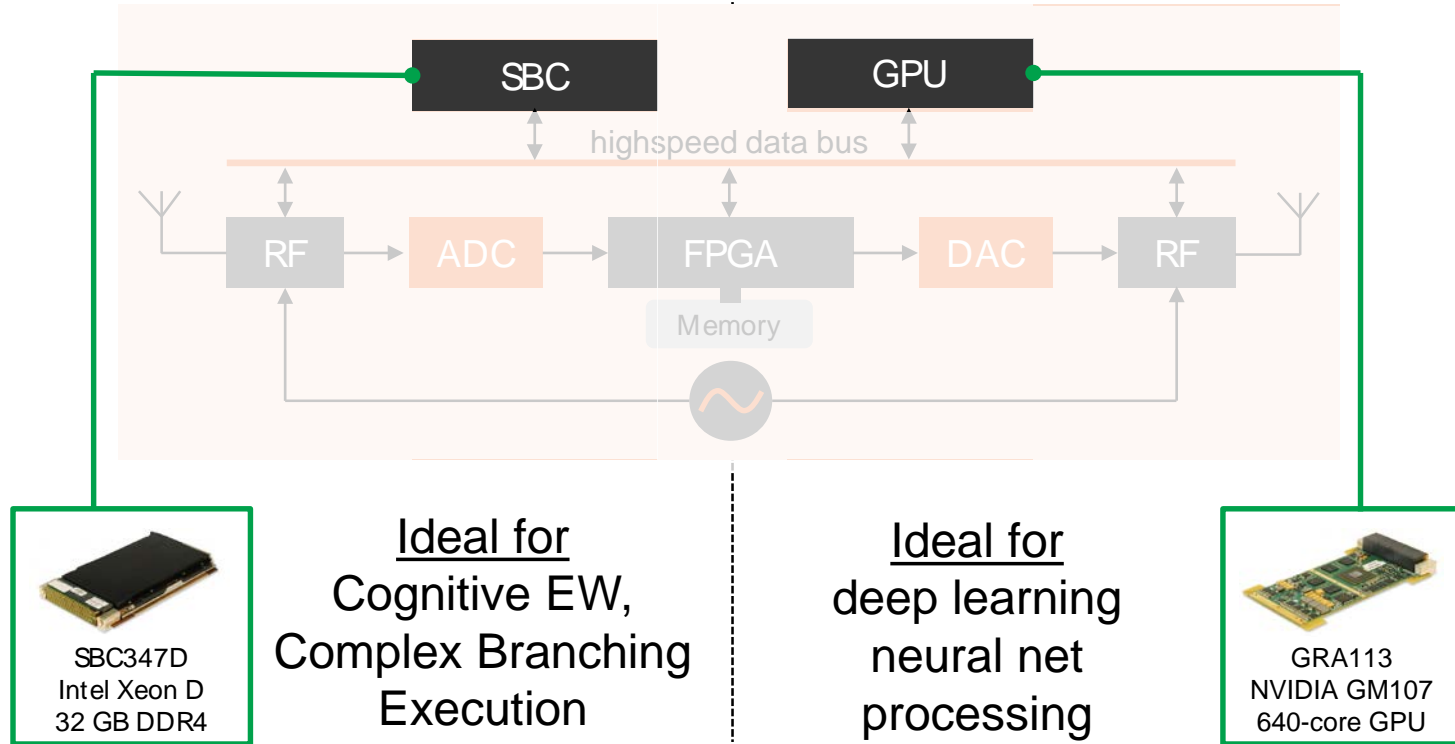
Parallel Data Bus
(Lower Latency, Parallel Buses Required)



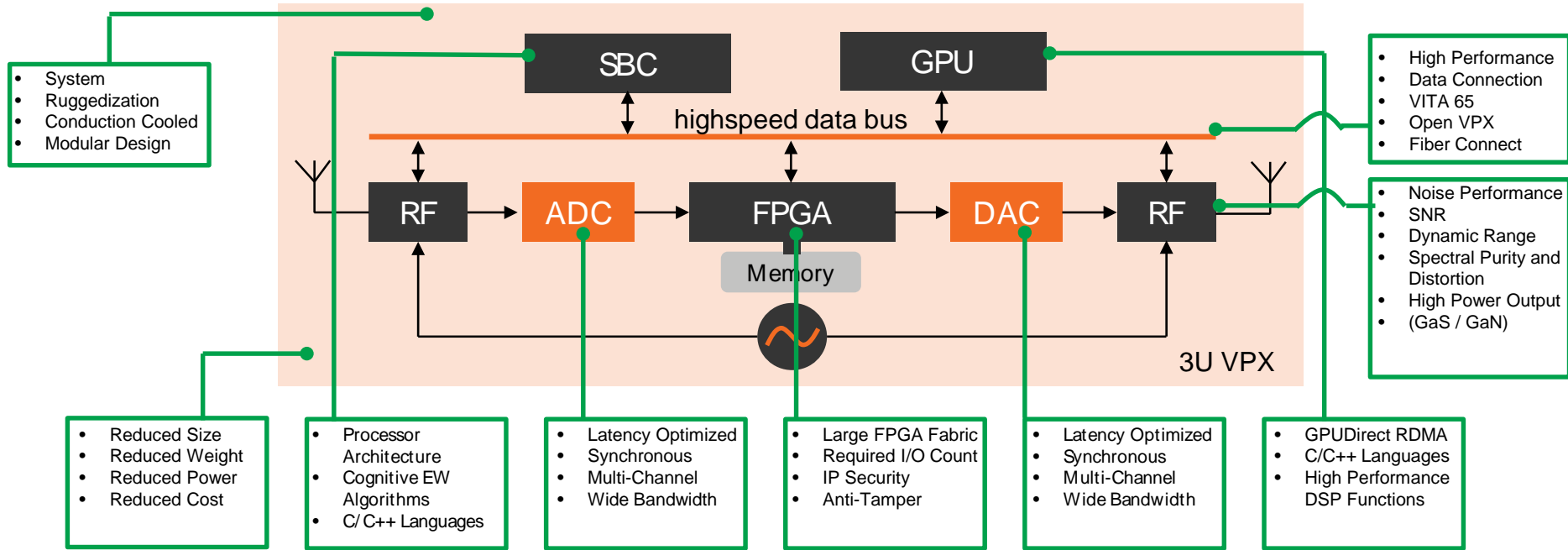
EW Platform Challenge: Resources & IP Security



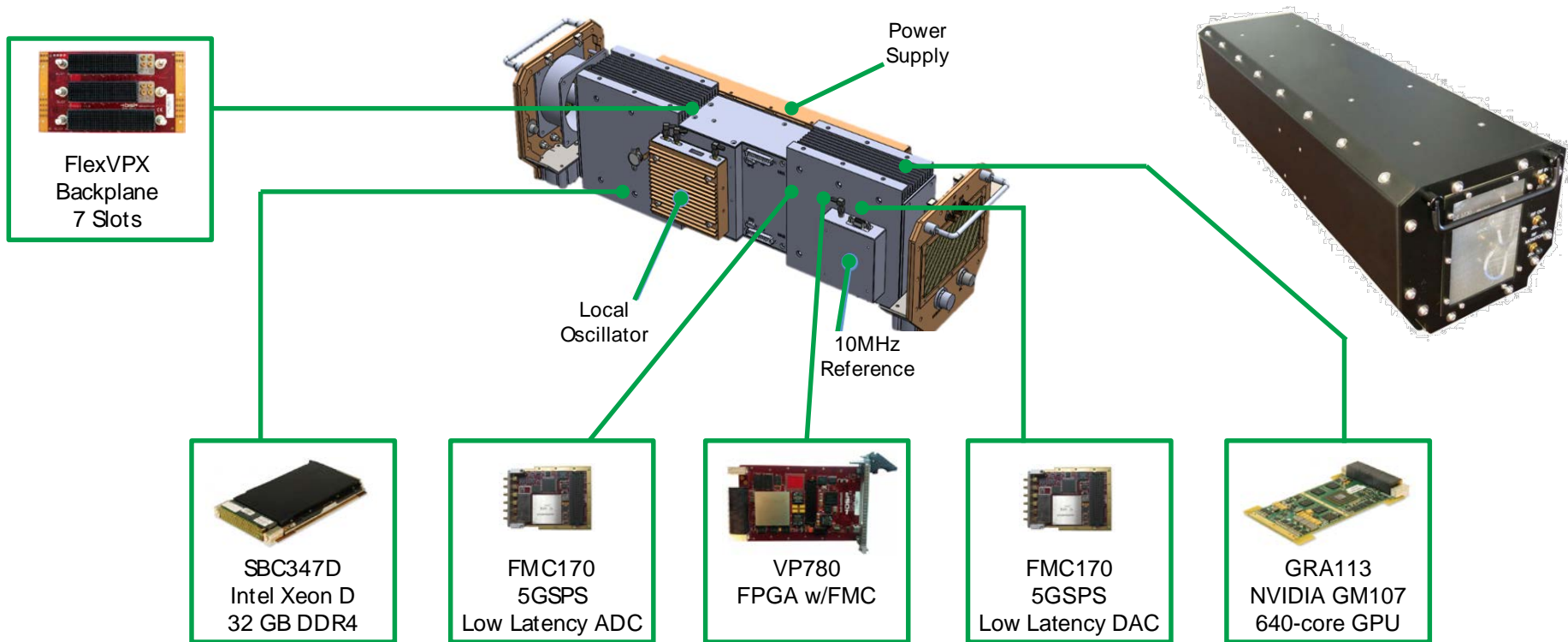
EW Platform Challenge: 'Use the Right Tool'



Challenges of Next Generation EW Systems



VPX167 COTS Airborne Pod Platform





WE INNOVATE. WE DELIVER. YOU SUCCEED.