

High-Performance solution based on NVIDIA® Jetson™ AGX Xavier™ Module supporting multiple cameras and independent displays

BUSINESS REQUIREMENTS



Based on Nvidia Jetson AGX Xavier Embedded Computer Module



Compliant to PCI/104-Express standard, Numerous connectivity and expansion options



Rugged design, ideal for harsh environment

OUR SOLUTIONS



Supports two independent displays, 8 CSI cameras



Expansion options include PCIe 3-bank slot, legacy PCI bus, M.2 PCIe x4 NVMe flash storage



Interfaces include Multiple Serial ports, Analog and Digital I/Os, GbE etc

TOOLS /TECHNOLOGIES



Cadence 17.2 design tool, Linux BSP, Ubuntu



12-layer HDI Type I Stack-up, 100+ differential pairs, 3mil minimum trace width/ spacing



Rugged design with latching connectors, Conduction cooled using custom built heat spreader

BUSINESS IMPACT



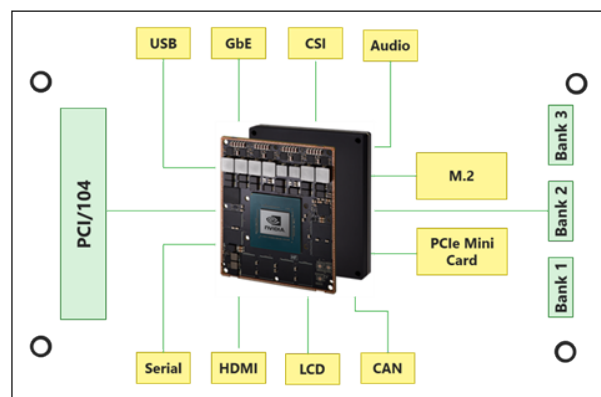
High modularity and scalable performance make the solution an ideal fit for several use cases



High speed cloud connectivity realized using LTE and multiple GbE ports



Supreme compute power and rich I/Os enables the platform to be used for autonomous machines like robots, drones etc.



About Happiest Minds Technologies

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