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.

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**About Happiest Minds Technologies**

Happiest Minds, the Mindful IT Company, applies agile methodologies to enable digital transformation for enterprises and technology providers by delivering seamless, customer experience, business efficiency and actionable insights. We leverage a spectrum of disruptive technologies such as: Big Data Analytics, AI & Cognitive Computing, Internet of Things, Cloud, Security, SDN-NFV, RPA, Blockchain, etc. Positioned as ‘Born Digital . Born Agile’, our capabilities spans across product engineering, digital business solutions, infrastructure management and security services. We deliver these services across industry sectors such as retail, consumer packaged goods, edutech, e-commerce, banking, insurance, hi-tech, engineering R&D, manufacturing, automotive and travel/transportation/hospitality.

Headquartered in Bangalore, India; Happiest Minds has operations in the U.S., UK, The Netherlands, Australia and Middle East.

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