

Single Board Computer based on 6th Gen Intel SoC for a Rugged Embedded Solution Provider



BUSINESS REQUIREMENTS



SBC based on 6th Gen Intel processor



Small form factor, Multiple connectivity and expansion options



Rugged design, extended temperature operation



OUR SOLUTIONS



Intel Core i7 SOC with DDR4 Memory (SODIMM & Memory down)



Supports three independent displays and other standard peripheral interfaces



Expansion options include mSATA/ PCIe Mini card, PCIe slot and legacy PCI bus



TOOLS /TECHNOLOGIES



Cadence 17.2 design tool, UEFI Firmware, Windows 10, Linux



16 layer Stack-up, 200+ differential pairs, 3mil minimum trace width/ spacing



Small form factor design, Conduction cooled using custom built heat sink



BUSINESS IMPACT



Shortened development cycle to realize faster time to market

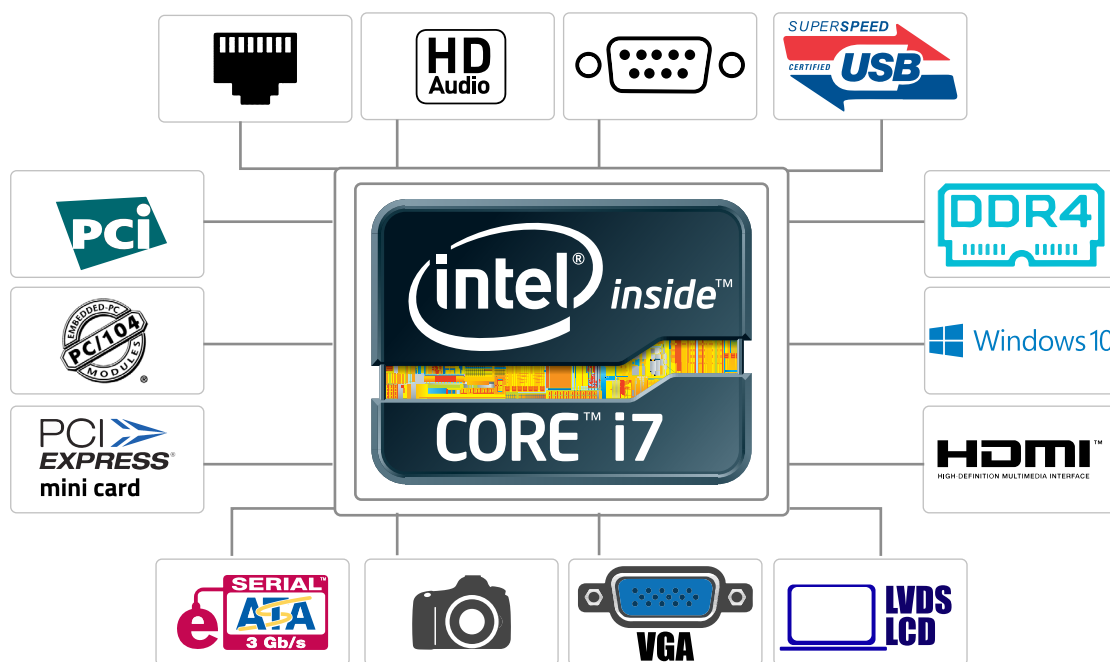


Rich feature set avoids the need for any add on cards



Superior performance and high degree of scalability gives the product an edge over competitor products

SOLUTION OVERVIEW



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 USA, UK, The Netherlands, Australia and Middle East.