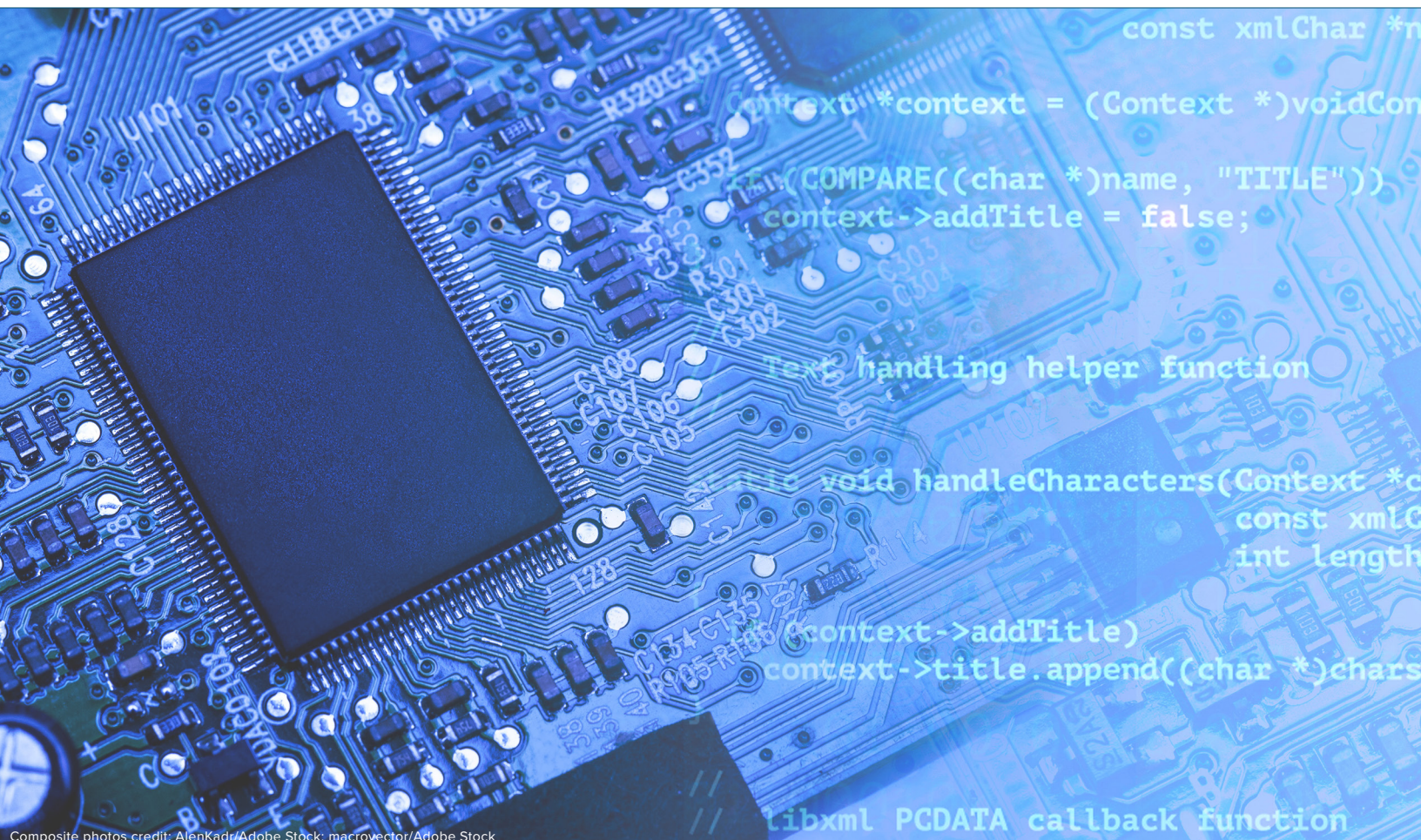


COMPANY CAPABILITIES



Composite photos credit: AlenKadr/Adobe Stock; macrovector/Adobe Stock

DISPLAY SYSTEMS | SOFTWARE ENGINEERING SERVICES | EMBEDDED SYSTEMS ENGINEERING

COMPANY CAPABILITIES

RUGGED DISPLAYS, WORKSTATIONS, KEYBOARDS AND MORE

General Digital is a U.S.-based manufacturer of ruggedized workstations, display systems, and other hardware solutions. Our wide variety of products are custom-engineered to meet the demands of military, aerospace, marine, industrial, simulation, and commercial environments.

- » Adaptable Rugged Workstations
- » Military Panel/Rack Mount & Standalone Monitors
- » Waterproof/IP67 Environmentally-Sealed Monitors
- » Rugged Large Format Monitors
- » Display Head Assemblies (baseline displays with value-add enhancements)
- » Monitor Kits
- » Smart Displays
- » Rack Mount Keyboards and Desktop Keyboards
- » Battery Chargers, Power Supplies, and Cables



With 50 years of experience meeting military and industrial design requirements, our solutions have met many rigorous standards. A few of these include:

- » Army, Navy, Air Force, Marines, Coast Guard Requirements:
 - › MIL-STD-901D
 - › MIL-STD-167-1A
 - › MIL-STD-810F/G
 - › MIL-STD-461E/F
 - › MIL-STD-704F
- » Industrial/Maritime Requirements:
 - › IP67
 - › NEMA 6
 - › ECDIS



SOFTWARE ENGINEERING SERVICES

Since 1973, General Digital has been a pioneer in the software industry, maintaining a reputation for meeting our customers' requirements with accurate, on-time, and cost-efficient software services.



Software & Product Development

- » Embedded Firmware Development
- » Software development in many technologies, including:
 - › C/C++, C#, Assembly
 - › Ada, LabVIEW, Perl, Python
 - › SQL, Ruby, Qt
 - › Freescale/NXP, ARM, Renesas
 - › WCF, WPF
 - › Xamarin, Mono, XAML
 - › Proprietary RTOS, Embedded Linux
 - › Android, IOS
 - › TCP-Based Protocols, CAN, Bluetooth
 - › Many more

Safety-Critical Software IV&V Services

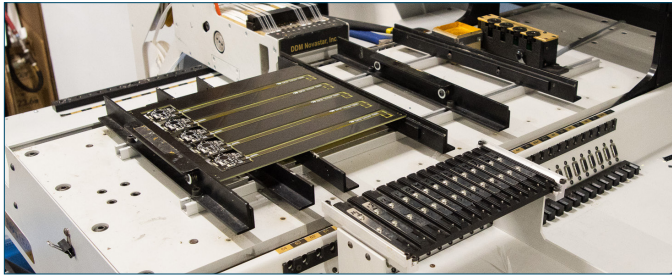
Independent Verification & Validation Standards:

- » Avionics/Military
 - › DO-178
- » Medical
 - › FDA, IEC 62304, CE
 - › QMS Validation, ISO 13485
- » Transportation
 - › IEC 62279, IEC 61508, ISO 26262
- » Industrial
 - › IEC 61508, IEC 61131
- » Cybersecurity Assessment & Mitigation
 - › Multiple Industry Certification Levels

COMPANY CAPABILITIES

ELECTRICAL ENGINEERING

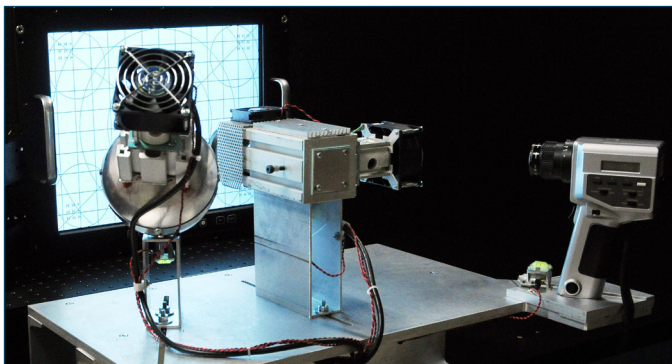
General Digital's Electrical Engineering team possesses the experience and expertise to design systems and applications tailored to meet your specific requirements.



- » Video compatibility verification and custom signal creation and matching using Quantum Data QD701A and 881D programmable video generators
- » Systems Engineering/Systems Integration
- » Power Management Design
- » Analog and Digital Schematic and Printed Circuit Board Design
- » Embedded Systems
- » FPGA and HDL
- » LED Backlight Design

OPTICAL ENGINEERING

General Digital's Optical Enhancement Engineering team understand the challenges faced by today's display users. Regardless of the display technology, we have the knowledge and expertise to vastly improve your display performance.



- » Optical Bonding
- » Film Optimization
- » Light Guides
- » Lamination Services
- » Selection and Integration of Optical/Display Enhancements
- » In-House Optical Testing Laboratory

EMBEDDED SYSTEMS ENGINEERING

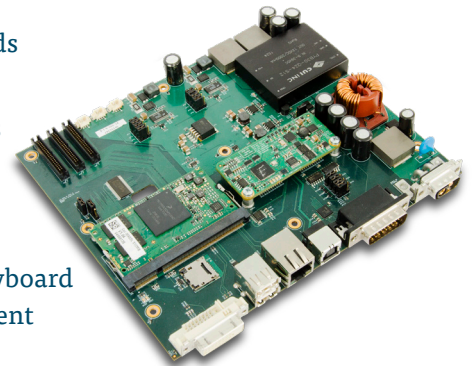
Many small businesses specialize in one specific niche, meaning they often lack the ability to tackle complex requirements outside of their comfort zone.

General Digital's Embedded Systems Engineering team combines hardware and software engineering under a streamlined management structure, allowing us to tackle complex requirements with the agility and precision your program demands.

From product design and development to PCB customization and much more, our Embedded Systems Engineers have the expertise to tackle any engineering requirement.

Our engineering capabilities extend into all manner of highly technical products, such as the sampling below:

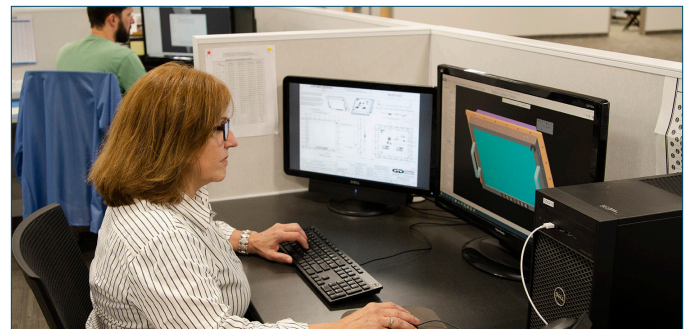
- » Video Controllers
- » COM Express Boards
- » Carrier Boards
- » Various Controllers
 - › LED Backlights
 - › Touch Screen
 - › Heater
 - › OSD/Keypad/Keyboard
 - › Power Management
 - › Battery Chargers
- » KVMs
- » Legacy Design Support and Product Evaluation



MECHANICAL ENGINEERING

General Digital's Mechanical Engineering team designs products compliant to customer-specific requirements—such as brackets, bezels, and enclosures—for commercial, industrial, marine, aerospace and military marketplaces.

- » 3-D/CAD Design
- » Thermal Analysis
- » Specialists in designing stationary and sliding rack mount equipment for commercial, industrial, military, marine, simulation and aerospace applications



COMPANY CAPABILITIES

OUR FACILITY

Our state-of-the-art 50,000 sq.ft. headquarters in East Hartford, CT, has the people, processes, and capital equipment required to tackle any engineering or manufacturing requirement. Leverage our U.S.-based facility for white labeling, contract manufacturing, and build-to-print services to improve logistics and maintain compliance with trade regulations.



LASTING PARTNERSHIPS

At General Digital, *Cooperation* is one of our keys to success.

For over 45 years, General Digital Corporation has served a variety of markets through innovative design and implementation.

Today, we continue to partner with our customers to ensure the end product is an advanced design of the highest quality. Our innovative engineering capabilities can be evidenced in our diverse line of hardware products, contract manufacturing, and software engineering services. Contact us to discuss your unique requirements. We look forward to working with you.



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ID NUMBERS & CERTS

Corporate Structure: SBA Small Business Concern

CAGE CODE 1JA77 **UEID** DWMEGPGHBY5

DUNS 06-551-9563 **SAM/CCR/DDTC** Registered

AS9100D Certified **ISO** 9001:2015 QMS Certified

DISPLAY SYSTEMS

NAICS 334111, 334118, 334119, 334220, 334290, 334310, 334418, 334419, 334511, 541330, 811212

PSC AC64, 5836, 5895, 5955, 5975, 5980, 5998, 5999, 6130, 6150, 7490

SOFTWARE ENGINEERING SERVICES

NAICS 541511, 541512, 541519

PSC 7010, 7021, 7025



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