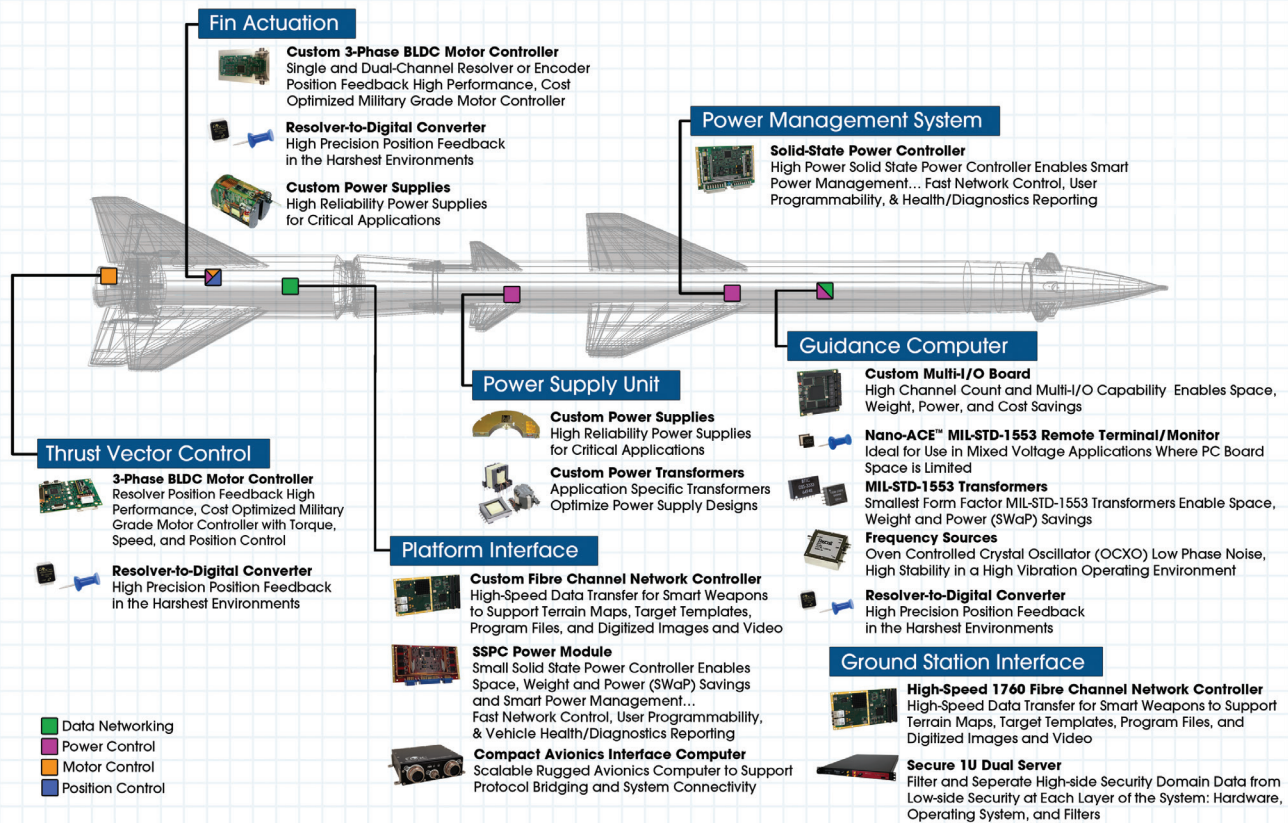


# Missile Systems



DDC's field proven technology is integrated into many of the world's most advanced missile systems:

- |  |   |  |   |  |  |
|--|---|--|---|--|--|
| <ul style="list-style-type: none"> <li>• AAM-4</li> <li>• AAM-5</li> <li>• AARGM</li> <li>• AASM</li> <li>• AGM-158 JASSM</li> <li>• AIM-9x Sidewinder</li> <li>• AIM-120 AMRAAM</li> <li>• AIM-132 ASRAAM</li> <li>• Arrow/Arrow II</li> <li>• Aster</li> <li>• AIM-96 Stinger ATAS</li> <li>• ASMP</li> <li>• ATGM</li> <li>• BARAK 1</li> </ul> | <ul style="list-style-type: none"> <li>• Bazooka</li> <li>• Chaparral</li> <li>• EKV</li> <li>• ESSM</li> <li>• Exocet</li> <li>• GATR</li> <li>• Griffin Missile Launcher</li> <li>• HARM</li> <li>• HAWK Air Defense System</li> <li>• Hellfire</li> <li>• HERA</li> <li>• Hyunmoo-3</li> </ul> | <ul style="list-style-type: none"> <li>• IRIS-T</li> <li>• JAGM</li> <li>• JDAM</li> <li>• JSM</li> <li>• KMSAM</li> <li>• LGM-118A Peacekeeper</li> <li>• LRASM</li> <li>• M51</li> <li>• Matra BAE</li> <li>• Maverick</li> <li>• MEADS</li> <li>• Meteor</li> <li>• MGM-140 ATACMS</li> </ul> | <ul style="list-style-type: none"> <li>• MGM-166 LOSAT</li> <li>• MICA</li> <li>• NASAMS</li> <li>• NULKA</li> <li>• Otomat</li> <li>• PAC-3 Patriot</li> <li>• Paveway</li> <li>• Penguin</li> <li>• Python-4</li> <li>• RAM</li> <li>• Rapier</li> <li>• RB(S)-15 Mark 3</li> <li>• Red Shark (Hong Sang Eo)</li> </ul> | <ul style="list-style-type: none"> <li>• SAM</li> <li>• SCALP EG</li> <li>• SDB</li> <li>• SDB II</li> <li>• Sea Skua</li> <li>• SLAM Harpoon</li> <li>• SLAMRAAM</li> <li>• SM3</li> <li>• SM6</li> <li>• Solaris</li> <li>• SSM/Telemetry</li> <li>• Storm Shadow</li> <li>• T2K</li> <li>• TACMS</li> </ul> | <ul style="list-style-type: none"> <li>• Taurus KPED 350</li> <li>• TESEO</li> <li>• Tomahawk</li> <li>• Trident</li> <li>• Trigat</li> <li>• VL Mica</li> <li>• XAAM-4</li> <li>• XAAM-5</li> <li>• XASM-3</li> </ul> |
|--|---|--|---|--|--|

For more information: [www.ddc-web.com/missile](http://www.ddc-web.com/missile)

## Power

### Solid-State Power Controller



Model: RP-2640X000NX

#### Features:

- Nominal 28VDC Operation, MIL-STD-1275C, MIL-STD-704, and Def Stan 61-5 Compliant
- MIL-STD-1275D Option
- 8 Independent Load Channels
- 25A Channels with 10:1 Current Programmability
- Total Continuous Current of 200A
- Ruggedized Conduction Cooled
- SAE J1939 Compatible CAN and RS-485 Interface

### Custom Power Transformers



Model: custom

#### Features:

- MIL-PRF-27, QPL-DSCC Qualified Transformers
- High Performance Materials Enabled the Smallest Footprint and Volume
- 1VA to 10kVA
- Customizable: Input/Output Voltage, Regulation, Physical Envelope, Input/Output Current, Efficiency, Shock/Vibration, Operating Temperature, Frequency, Isolation Voltage

### Custom Power Supplies



Model: custom

#### Features:

- Integrated Assemblies, Embedded Power Supplies and Line Replaceable Units (LRUs)
- Inputs: Thermal Battery, Alternator, and Primary Airframe
- Outputs Designed to Customer Requirements
- Power Ranges from 10W to Several KW
- Designed to MIL-STD-810, MIL-STD-461, and MIL-STD-704

## Data Networking

### Compact Avionics Interface Computer



Model: BU-67125

#### Features:

- Embedded Intel® Atom E3845 Quad Core Processor
- 16GB DDR3 EEC Memory
- 128GB SSD Fixed and/or Removable Memory
- Dual Gigabit Ethernet Interfaces for Network Connectivity
- Expandable 2x mPCIe Sites and Custom Expansion Module to Support Additional I/O Interfaces

### Nano-ACE® MIL-STD-1553 Terminal



Model: BU-67743LC

#### Features:

- Protocol, RAM, and Dual Low Power Transceivers in a Single Package
  - 48 Pin QFN Package
- Ultra Low Transceiver Power
  - 50MHz 4-Wire Serial Peripheral Interface (SPI) to the Host Processor
- 1 Dual Redundant 1553 Channel
- RT or RT/MT Operation
- 4K x 16 SRAM

### Fibre Channel Network Controller



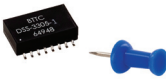
Model: FC-75300

#### Features:

- Dual-Channel Operation
- Conduction or Air Cooled PMC for Extended Temperature Operations
- 1 or 2Gb/s Operation
- Class 2 and Class 3 Service Including Broadcast and Multicast
- Memory-to-Memory Latency under 20µs
- ASM, TCP/IP, SCSI Initiator and Raw Mode Protocol

## Data Networking

### MIL-STD-1553 Transformers



Model: DSS-3000

#### Features:

- Smallest Dual, Side-by-side Pulse Transformer
- Built and Tested to MIL-PRF-21038 and MIL-STD-210, M-Level Screening (Standard), T-Level Screening (Optional)
- +3.3V and +5V Ratios
- For Use with MIL-STD-1553A/B, MacAir A-5690, A-5232, A-3818, and A-4905
- Surface Mount Configuration

## Motor Drive and Control

### Position, Torque, and Speed Control



Model: PW-87XXXNXX0X

#### Features:

- Complete COTS Motor Control Solution
- 600VDC Rating Available
- Up to 75A Output Current
- CANbus, RS-232, RS-422, and RS-485 Ethernet
- Hall or Resolver Feedback Support
- Sine Drive Capable
- 3 Analog Inputs, 4 Digital Inputs
- 2 Digital Outputs
- GUI Based Set-up Utility

## Motor Positioning & Feedback

### Resolver-to-Digital & LVDT Converters



Models: SD-14620, RD-19230

#### Features:

- +5V Only Option
- Internal Synthesized Reference
- Encoder Emulation (A Quad B) Interface
- Programmable Resolution (10, 12, 14, 16 bit), Bandwidth, & Tracking
- ±Accuracy up to 1 Arc Minute
- Analog Control System Eliminates Need for DO-178 Re-certification
- Extended Temperature Range: -55°C to +125°C

## Custom Hybrid, MCM, and PCB Solutions

DDC designs boards, hybrids and multi-chip modules (MCM) to meet ruggedness and reliability levels for performance in the most demanding environments. Our expertise lies in our engineering and manufacturing abilities to reduce size, weight and power while providing the highest level of integration into small single packaged solutions.

## Quality

- Underwriters Laboratories (UL) Certified:
  - ISO 9001:2008 Certified
  - AS9100, Rev. C Compliant
  - EN9100 Compliant
  - JIS Q9100 Compliant
- Defense Supply Center Columbus (DSCC) Certified:
  - MIL-PRF-38534 Class D, G, H, & K



DATA DEVICE CORPORATION  
REGISTERED TO:  
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EN9100:2009, JIS Q9100:2009  
FILE NO. 10001296 ASH09



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