

# Data Device Corp. (DDC)

*Innovative Technology with a Proven Past*

## Over 40 Years of Reliability

Since its inception in 1964, Data Device Corp. (DDC) has assumed the leadership position in high-reliability data networking, data conversion and power products. Our MIL-STD-1553 data bus boards and components are designed into a global network of aircraft, helicopter and missile programs, while advanced ground support systems rely heavily upon our Motor Drives and Solid-State Power Controllers. DDC is also the world's leading supplier of Synchro/Resolver-to-Digital components, and offers a complete line of Synchro/Resolver cards including angle position indicators and simulators. DDC's capabilities and expertise include high-speed networking, with products supporting Fibre Channel, Gigabit Ethernet and HyPer 1553; along with capabilities in ARINC 429 and EBR-1553.

DDC's products are deployed on military, commercial and aerospace programs such as the F-15, F-16, F-18 and JSF F-35 fighter aircraft, the AH-64 Apache attack helicopter, 747 and 767 airliners, the Space Shuttle, the International Space Station and UAVs.

## MIL-STD-1553 Components

DDC is the leading supplier of board, component, intellectual property and software products for MIL-STD-1553, the longtime workhorse standard for the systems integration of military aircraft, ground and space vehicles.

DDC's flagship components include the Enhanced Mini-ACE®, PCI Enhanced Mini-ACE® and Micro-ACE® series of products. These provide interfaces to processors, PCI buses and "simple" (non-processor) systems. DDC's Micro-ACE® is a 0.8-inch square plastic BGA, providing a highly compact solution. The Mini-ACE® Mark3 and Micro-ACE® Mark3 are powered entirely by 3.3 volts. For satellites and other spaceborne applications, DDC supplies rad hard, high-reliability versions of its 1553 components.



## MIL-STD-1553 Boards

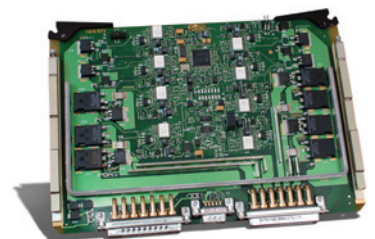
DDC supplies MIL-STD-1553 boards in a variety of form factors, including PMC, PCI, USB, PCMCIA, PC/104 and PC/104-Plus, cPCI, VME/VXI and ISA bus for embedded applications, as well as high-end test and simulation environments. DDC's battle tested data solutions fulfill the expanse of military requirements including reliability, determinism, low CPU utilization, real-time performance and ruggedness within harsh environments. Our advanced application of in-house intellectual property ensures superior generational support, independent of the life cycles of commercial devices. Moreover, our MIL-STD-1553 boards provide customers with standard hardware and software interfacing and high-level integration for simplified, reliable, and cost effective system development.



## Multi-Channel Power Controller Board

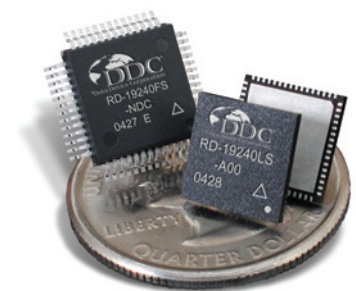
DDC's Multi-Channel Power Controller Board (RP-26000) is a DSP-based remote power controller intended for

Electrical Load Management Centers (ELMCs) populated with high RPC channel counts. The power of the DSP provides flexibility to insure maximum capability and safety, replacing conventional circuit breakers with solid-state Remote Power Controllers (RPCs).



## Resolver-To-Digital Conversion

DDC's lines of Synchro/Resolver-to-Digital and Digital-to-Synchro/Resolver Converters are extensively utilized for position indication in military and aerospace applications, UAVs and commercial airliners, as well as in robotics, electric vehicles and industrial control. The RD-19240 series of low-cost monolithic converters offer an extended -55°C to +125°C temperature range, along with high repeatability, and a host of programmable features for versatile performance in an extremely small package.



## Contact Information

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