

Datakey[®] ELECTRONICS



THE KEY TO MAKING YOUR JOB EASIER.™



WE MAKE DATA
RUGGED,
PORTABLE
& SECURE ...

... THEN WE SUPPORT IT
FOR THE LONG-TERM.



FIELD-PROVEN SYSTEMS FOR OEM DATA-TRANSPORT APPLICATIONS

Datakey Electronics, Inc. designs and manufactures portable, **rugged**, re-programmable memory Keys and Tokens containing non-volatile memory. For well over 30 years Datakey Electronics has provided Original Equipment Manufacturers (OEMs) a **convenient**, rugged way to transport electronic data and to control access in a wide variety of OEM products. Datakey Electronics offers complete data carrier system solutions that have been successfully implemented into a broad range of applications, each with varying electrical, ergonomic and environmental requirements.

Virtually every customer we have is an OEM and, unlike consumer-based product manufacturers, we understand what is important to OEMs—especially their need for highly **reliable** products that are **available and supported long-term**—for the entire life of the OEM's product.

All of our products are designed, manufactured and supported in our **vertically integrated** facility built in 2004. Our products are used **worldwide** in hundreds of military, medical, industrial, and commercial applications. Datakey Electronics' customer base includes St. Jude Medical, General Dynamics, Cisco Systems, Mars, Siemens, Tyco Healthcare, Gilbarco, EADS, multiple governments, and many other multi-national corporations.

APPLICATIONS FOR OUR PRODUCTS ARE LIMITED ONLY BY THE IMAGINATION!

- In-Field Firmware Update
- Calibration Upload
- Set-up Parameter Back-Up
- Crypto Ignition Keys (CIKs)
- Access Control
- Feature Enable/Disable
- Data Logging / Transfer
- Identification
- Usage Monitoring / Limiting
- Cashless Vending
- Controller Cloning
- Machine Control
- Data Security

WHAT DATAKEY ELECTRONICS OFFERS OEMS

Datakey Electronics is an **expert** in the solid over-molding of electronic circuitry in rugged plastic. Our designs and processes allow our Keys and Tokens to withstand:

- Autoclave & EtO Sterilization
- Water & Mud
- Harsh Chemicals
- Electrostatic Discharge
- Temperature Extremes
- Salt Fog & Dust
- Shock & Vibration
- High Cycle-Life



All of our products are RoHS compliant and are available with serial EEPROM, serial flash or secure memory ICs. In addition, we offer our **award-winning** Managed-Memory[®] system with capacities up to 1 GigaByte. We provide **complete solutions** that utilize industry standard protocols (SPI, I²C, Microwire, USB) and have a wide variety of customization options.

We solve the shortcomings of using consumer products in OEM systems:

REDUCE:

- | | |
|-----------------------|---|
| R&D Cost | Fully engineered systems; complete support peripherals |
| Time-To-Market | Available from stock, easy to implement |
| Technical Risk | Proven products for 30+ years , industry standard interfaces |
| Support Cost | Proven life-of-project availability (some over 20 years!) |

INCREASE:

- | | |
|---------------------|---|
| Ruggedness | Proven to survive in the harshest environments |
| Reliability | Proven systems for high-usage; works the first-time, every-time |
| Acceptance | Ergonomic, intuitive, remembered |
| Capabilities | Full range of custom and security options |



FULLY ENGINEERED STANDARD PRODUCTS

Our complete line of standard data carriers, receptacles and support peripherals can solve your design challenges, reduce your time-to-market, and virtually eliminate post-release support costs. Our **expertise** in solid over-molded electronics and mating systems makes Datakey Electronics the ideal partner for your project.

KEYS & TOKENS

Unlike flash memory cards or USB flash drives that are often stolen, lost or easily damaged, Datakey Electronics' reliable, high cycle-life Keys and Tokens are designed to survive in harsh environments. Our data carriers use **industry standard** interface protocols (SPI, I²C, Microwire, USB)—and are available in sizes ranging from **1Kbit to 1GByte**. Our products have a tough, wear-resistant body that protects the embedded memory from harsh environmental influences—they can be sterilized, dropped in the mud, washed, exposed to ESD, chemicals, or fuel—and they still work. We offer multiple form-factors to meet virtually any mechanical, environmental and ergonomic need — all with mating Receptacles and life-of-program availability.

KEYCEPTACLES® & RECEPTACLES

Unlike consumer products, we offer complete systems including reliable **high cycle-life** mating Receptacles. These devices are available in panel- or board-mount versions, and come in a variety of sizes, mounting technologies (THT, SMT) and IP-rated versions. We offer several Receptacle models that meet **Mil-Spec** environmental specifications, including: immersion, salt fog, shock, vibration, dust, and more. All of our Receptacles employ a **self-cleaning** action that removes dirt and residue from the contacts with every insertion and removal of the memory device.

SUPPORT PERIPHERALS & DEVELOPMENT TOOLS

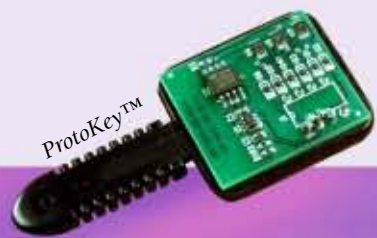
We offer Universal Reader/Writers to provide a simple USB interface between your PC and the memory Key or Token. Our **affordable Development Kits** give OEMs the tools they need to do proof-of-concept or development within a short time frame. Datakey Electronics offers a complete set of interface specifications for all of our memory products to assure **easy** and proper integration.

CUSTOM SOLUTIONS

Datakey Electronics has an extensive history of successfully designing **custom** portable electronics solutions to meet the unique requirements of any application. We offer custom design services, ProtoKey™ rapid prototyping service, custom product markings, and more.

SOLUTIONS FOR EMERGING NEEDS

Datakey Electronics has recently released the next generation of data carrier systems to meet the toughest emerging **tactical** requirements. These include smaller sizes, **immersion-rated** and EMI-conscious designs with different mounting options to offer OEMs increased versatility in the most demanding applications.



**CALL 1-800-328-8828 TODAY
FOR A FREE CONSULTATION**

OR VISIT WWW.DATAKEY.COM FOR MORE INFORMATION.



UNLIMITED APPLICATIONS: WHAT DO YOU NEED TO DO?

- SECURE COMMUNICATIONS
- DEVICE USAGE LIMITING
- CUSTOMER LOYALTY PROGRAMS
- RUGGED IDENTITY DATA
- NETWORK SECURITY
- FLEET MANAGEMENT
- DATA LOGGING
- AUTHENTICATION
- FUEL DISPENSING
- CASHLESS VENDING
- REGULATORY COMPLIANCE
- INVENTORY CONTROL
- FACILITY ACCESS
- GAMING MACHINE CONTROL



- GPS / AGRICULTURAL EQUIPMENT
- EMBEDDED CONTROL BOARDS
- FIELD-ALTERABLE ELECTRONICS
- MEDICAL EQUIPMENT
- EXERCISE MACHINES
- COMMERCIAL OVENS
- DIGITAL SIGNS
- PARKING METERS
- TRAFFIC CONTROLS
- POSTAGE METERS
- CAR WASH SYSTEMS
- REMOTE WEATHER STATIONS
- PROCESS CONTROL EQUIPMENT
- ... AND MANY MANY MORE

PORTABLE DATA...



MAKE THE CONNECTION.™



Datakey®
ELECTRONICS

PLEASE VISIT
WWW.DATAKEY.COM
FOR COMPLETE
INFORMATION.



Datakey Electronics has produced millions of data carriers since 1976. In 2004 we built our custom, 18,500 ft² facility located just outside Minneapolis, MN. We are a minority woman-owned company with a worldwide customer base including many governments and major multi-national corporations.

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