

Sophisticated building access control couples state-of-the-art network communications with traditional automatic door motion control.



Helping lead the way



“Meeting FCC EMI requirements and UL Safety requirements in first revision prototypes put Orchid among the best design houses we’ve worked with. Nice job guys! Let’s do another one!”

ST Microelectronics
Engineering Sales



**ORCHID TECHNOLOGIES
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Building Access and Security Technology

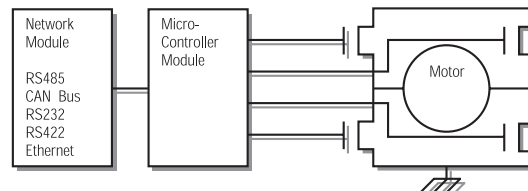
Building Access and Security is critical to our nation’s needs. Orchid’s building access technology integrates precision automatic door motion control electronics with sophisticated communications technology to enable low-cost networked building access control from a central security control center.

Network Communications

Sophisticated network communications provide the security link between building access requests and initiation of automatic door motion. Proprietary RS232, RS422, or RS485 communications permits a closed network of 128 individual access control points to be serviced from a single security control center. An open Ethernet or CAN bus network provides wide-area access control to as many as 2000 individual access control points.

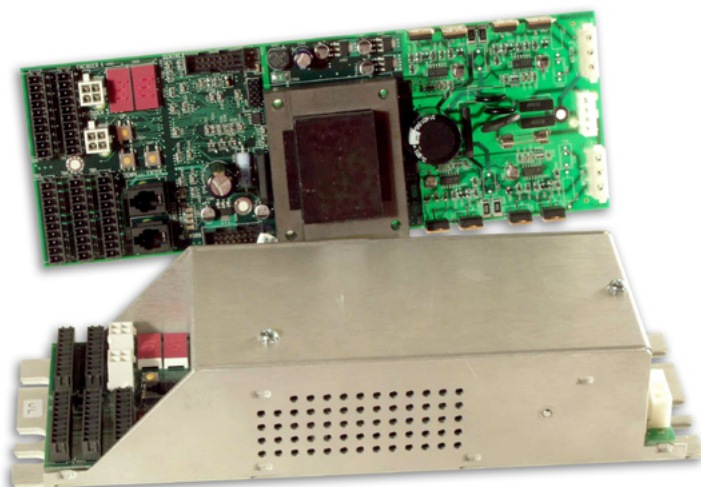
Precision Automatic Door Motion Control

Orchid employs Pulse Width Modulation (PWM) techniques in a torque and speed controlled 1/3 horsepower H-bridge Power FET drive electronics package. This low cost power electronics set accomplishes precision automatic door motion control while preserving mechanical and electrical operational safety requirements. High reliability microcontroller electronics supervise forward, reverse, breaking, and mass-free operation.



Orchid Technologies Delivers

The development of custom electronics technology solutions for our OEM clients is Orchid’s entire business. Development of Motion Control, Building Access, Security Products and Networking Access are among Orchid Technologies’ many specialties. Rapid design cycles, demanding technical requirements, and tight schedules sets us apart. Call Orchid Technologies today, we’ll put a custom motion control security product design in your hand tomorrow too!



Custom Engineering From Concept to Production

147 Main Street, Maynard, MA 01754 www.orchid-tech.com 978-461-2000 Fax: 978-461-2003