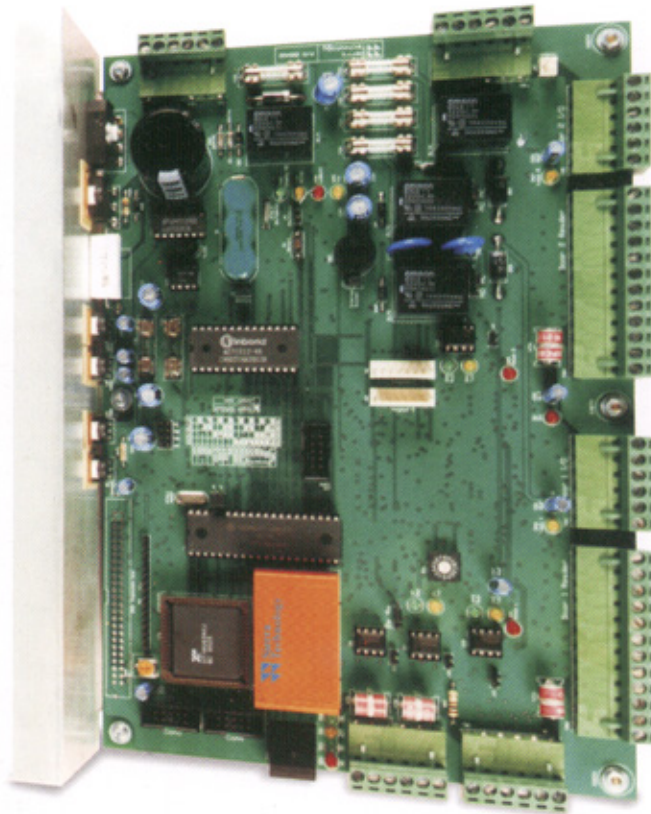The ST5000 BASeStation is the latest Building Access Security series designed and manufactured by Sierra Technology. Based on the successful and popular ProxStation and Starprox series of single door access control systems, the new and exciting ST5000 BASeStation Series is incorporated onto a single integrated processor board with built-in power supply and control module, card read interface electronics as well as lock control and monitoring circuitry.

The BASeStation is an integrated two door controller which offers more flexibility and reliability for any application. It also provides a lower total cost of ownership.

Sierra Technology is taking the leading step to introduce the advanced design methodology to address the market demand for simple to install and maintain systems that do not compromise system integrity and security. All wiring from the external card reader as well as lock are directly wired to the central processor board, alleviating the cumbersome and often error-prone multi-level wiring works.. Conventional door access control systems available in the market today are mostly based on rather complicated controller / processor boards with external reader interface electronics and power supply units - with equally complicated and proprietary wiring interconnections.

Each ST5000 BASeStation has built-in control for up to two doors and supports up to four external readers. The processor board also supports status monitoring of up to four ancillary door closure contacts and thus saving the need and extra cost to install additional equipment for such add-on features.

The ST5000 BASeStation supports most third party reader technologies via Wiegand data interfaces for a variety of contact and contactless cards, smart cards, keypads, barcode and biometric technologies. The ST8000 BASeStation works best with the Sierra Technology contactless proximity card reader series such as PR50, PR80 and PR52K (keypad & LCD).

Optional expansion features include support for serial reader interfaces as well as 10 Base-T Ethernet connectivity to corporate network infrastructure.

Each BASe3000 software can support up to 128 units of BASeStations. Larger configurations are possible by inter-process communications where the respective BASe3000 software installations can communicate with each other across Ethernet networks.

Networking is via on board Ethernet 10BaseT or via industrial standard RS485. BASe3000 software provides value-added features like graphical floor plans, time attendance modules and extensive data reporting and exporting.