

Networking Door Access (S-Series)

Technical Specifications

Controller Models	S-Series - 2/4/8 doors per controller (CAS-2S/4S/8S) Advanced - Series -12/16 doors per controller (CAS-12S/16S)
Microprocessor Model	Motorola 68HC11MCU
Operating Frequency	S-Series: 8 MHz Advanced-Series: 12 MHz
Clock System	Real-Time
EPROM / Flash	S-Series 64K Bytes / 128K Bytes Advanced-Series 128K Bytes
RAM	S-Series: 128K Bytes Advanced-Series: 1M Bytes
Watchdog	1 Internal and 1 External
Battery Back-Up for Memory	3.6V onboard rechargeable backup battery
Type of Storage System Used	Static RAM
Operating Temperature Range	0-65°C
Baud Rate	9600 (Controller to reader) 2400 (PC to controller)
Stop Bits	1
Data Bits	8
Maximum Storage Capability	S-Series: 5,000 cards user and 2,500 transactions Advanced-Series : 5,000 cards user and 50,000 transactions
Input Voltage	12V DC
Input Voltage Tolerance	11V-13.8V DC
Rated Current Input	1A
Number of Controllers Can Be Connected	16 or 32 Controllers (Depends on software version)
Number of Readers Can Be Connected	S-Series: 4/8/16 readers (Depends on Controller Types) Advanced-Series: 24/32 readers (Depends on Controller Types)
Type of Reader Technology	-Contact-less Smart Card -Wiegand 26 bits / Magnetic Signal -Magnetic Stripe Track 2, ABA Format -Barcode 2/5 or 3/9 format
Type of Usage	Stand-Alone (Reader to Controller) Network-Operated (Reader to Controller to PC)
Communication Cable Used	1 Pair RS-485 from Reader to Controller for each bus 1 Pair RS-485 from Controller to PCI-Interface
Maximum Length of Communication	1 km (Cable Length)
Recommended Cable Type	BELDEN Cable 24AWG Standard 1419 A
Housing	ABS Casing
Alarm Features	S-Series: 4 digital inputs points & 1 relay output Advanced-Series: 7 inputs point & 1 fire alarm Alarm Arming/Disarming can be manually controlled or timer controlled
Timer	S-Series: 100 Timer Sets with 3 Intervals Advanced-Series: 256 Timer Sets with 3 Intervals
Time Zone	S-Series: 100 user Time Zone (9 days/time zone) Advanced-Series: 256 user Time Zone (9 days/time zone)
Support Multi-Door and Anti-Pass Back	Function available for S-Series and Advanced-Series
Holidays	2 types of 30 dates Programmable Holiday
Controller Programming Mode Security	3 Passwords: (no access card needed) *Technical Password - Diagnostics only * User Password - Arming & Disarming only * Master Password - Highest Privilege
Continuous Card Swiping Facility When Door Is Open	Function Available
Controller Display Unit	20 characters x 2 rows Liquid Crystal Display with back-light
Software Requirements (Recommended Configurations)	Run on Window 95/98/NT/Millennium Edition or Compatible Pentium II, 64MB RAM, 10GB Hard Disk and Display 800 x 600 resolution
Diagnostic Systems	Built-In Diagnostics
Indications	Sound Indication When Release Button Is Pushed, Door Left Open And Force Open
Programming Mode	Menu Driven Programming & Software Programming
Log File Supporting Through Software	Function Available
Auxiliary Relay Output	20 Type Programmable Event (Applicable for K-Series & Advanced-Series Only)
Interlocking Capability	Function Available Between Any Pair of Door (Applicable for N-Series Only)