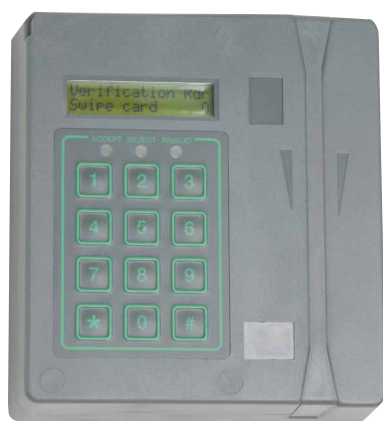




S600e Reader



FEATURES

- Industry's most advanced card reader
- Universal Reader - supports all card technologies
- 100/10 Mbps Ethernet or RS485 host connection
- Communicates directly with the host server - no need for an intelligent control panel in system design
- Structured database allows storage of large amounts of cardholder records for off-line card validation
- Backlit Monochrome Graphics LCD display with heating element provides localised character sets and instantly recognisable icons under the most extreme conditions
- Keypad for configuration and optional personnel Identification Number (PIN)
- 4 analogue inputs to monitor alarm conditions and 2 changeover relay outputs to activate door strike or other equipment
- Remote programming facility to download program
- Broadcast Facility to enable selective operational mode
- Biometric Template Management

OVERVIEW

The S600e Card Reader is designed for use as part of an integrated on-line access control system and is used to control access to restricted areas or in special applications where card activation of machinery is required.

The reader, which has an on-board 10-100 Ethernet connection, communicates directly with the AC2000 host server removing the need for an intelligent control panel in the system design.

Using a powerful 32bit processor, the S600e gives full off-line validation and decision making at the point of entry, even when host communication is not available.

The polycarbonate or aluminium enclosure, with a 4x3 Keypad, display screen and three LED indicators, houses the reader electronics.

Designed for use with all card technologies the S600e device supports two read heads or an Entry/Exit reader configuration is supported for IN/OUT control.

The reader has 4 analogue inputs, which can be used to monitor door and alarm conditions for transmission to the host computer. Two outputs are also available to control the activation of locks or other equipment.

PRODUCT HIGHLIGHTS

Host Communications

The S600e has an on-board 10-100 Mbps Ethernet allowing it to communicate directly with the AC2000 host server, removing the need for an intelligent control panel in the system design. Alternatively, it also provides an RS485 serial port for legacy installations.

Easy to Install

The S600e is designed to be extremely easy to install. The installer simply enters the unit serial number on the server, provides it with power, connects to an Ethernet network and the reader self-configures and receives a 50,000 cardholder database in under 2 minutes.

Off-line Card Validation

The card database is initially downloaded to the reader's memory from the host computer with subsequent changes to card data automatically sent as updates. This ensures that the reader has up-to-date card information when operating in off-line mode. When operating in off-line mode the reader can hold in excess of 100,000 cards. An optional CompactFlash® card can be used to expand this for Biometric data such as fingerprint data.

Remote Programming

The S600e reader may be remotely programmed from the host computer, eliminating the need to physically replace firmware, giving increased system flexibility and efficiency. Operational parameters, e.g. door open time, can also be downloaded to the reader.

Usable Head Technologies

The S600e supports all head technologies; Wiegand, Magnetic Stripe ISO2, Watermark, Barcode, Proximity, Contact Smart Card, Mifare, Mifare PS21, Legic. Biometrics; Iriscan, Bioscrypt etc.

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TECHNICAL SPECIFICATIONS

Installation Requirements

12V @ 1Amp Door Power Supply
Ethernet Network
Customer allocated IP Address
Cables for Power, inputs and outputs, as required
Local Mains power
JST hand tool and adaptor

Communication Interfaces

To Host	100/10 Mbps Ethernet TCP/IP RJ45 Connector Or serial RS485
To Exit Reader	RS485 multidrop over copper wire 19200 Baud Software handshaking Parity Checking 1200 metres without repeater 2 x RS232/RS485
RS485 transmission Biometrics	

Operational I/O Interfaces

Inputs	4 Analogue - voltage supplied
Outputs	Two relays fitted - Changeover volt free contacts Duration: programmable Suppression device (diode, MOV, etc.) required at load

Inbuilt Read Heads

125 Khz	HID Licensed Kantech
13.56Mhz (optional)	Mifare Mifare PS21 Legic Inside Technologies

Electrical

Supply Voltage	7-14V dc
Current consumption	200mA (passive) 320mA (peak)
Volt Free Outputs	Relay 1 30V dc @ 5A Relay 2 30V dc @ 5A

Mechanical

Enclosure Dimensions (H x W x D)	
Polycarbonate (Plastic)	165 x 150 x 58mm
Aluminium	16 x 145 x 45mm
Smart Card Aluminium	160 x 95 x 45mm
Liquid Crystal Display	32 x 122 Monochrome Graphics supertwist LCD with backlight and heater element
Keypad	12 character, standard layout tactile or non-tactile response keypad
LED Indicators	3 high intensity LEDs - red, green and amber
Security Features	Read head and electronics sealed to IP65 in polycarbonate or aluminium enclosure. Protected by tamper sensor

Functional Specification

Internal Memory	2 Mbyte
Optional Compact Flash	32 Mbyte Typical
In built Diagnostics	To test LEDs, readheads, database size, keypad functionality, inputs, network communications and supply voltage
Local Set-Up Facility	To configure mode of operation, relay (fail safe or fail secure) operation, keypad selection and site code
Standard Modes of Operation	Door Access, Turnstile, Verification, Manned Control Post

Environmental

Operational Temperature Range	-20 to +50 °C
Humidity	Unlimited, also condensing