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ACCESS TECHNOLOGY

Access Control Solutions

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Guardpoint Pro

Software Comparison Table

Features	GuardPoint Light	GuardPoint Pro
Doors/Readers	16	Unlimited
Workstations	1	Unlimited
Alarm Control & Graphics	✓	✓
Badge Production	✓	✓
Parking Control	✗	✓
Lift Control	✗	✓
GuardTour	✗	✓
Multi Company	✗	✓
CCTV Integration	✗	✓
Video+	✗	✓
OPC Server Integration	✗	✓
SQL Database	✗	✓
Basic T & A	✓	✓
T & A +	✗	✓
MultiSite	✗	✓
Graphics+	✗	✓
Web Interface	✗	✓
Escorting	✗	✓
Scan & Attach Documents	✗	✓
Customise fields	✗	✓
Email Alerts	✗	✓
Biometric Integration	✓	✓
Live Camera Pop Up	✗	✓
Automatic Back up	✗	✓
Fire Roll Call	✗	✓
Integrate with Alarm System	✗	✓
Crisis Management	✗	✓
Scheduled Access Group	✗	✓
Counter Feature	✗	✓
Automatic Reporting	✗	✓
Automatic Card Invalidation	✗	✓

Part Numbers

GPP/Lite
Up to 2,000 users, 8 controllers and 16 readers

GPP/16
Up to 2,000 users, up to 16 readers

GPP/16/ACM
Up to 2,000 users, up to 16 readers. Complete with alarm control and graphics module

GPP/64
Up to 5,000 users, up to 64 readers

GPP/128
Up to 10,000 users, up to 128 readers

GPP/256
Up to 40,000 users, up to 256 readers

GPP-BDG
ID Badge Production Module

GPP-WS
Additional Workstation Licence

GPP-ACM
Alarm Control and Graphics Module

GPP-PCM
Parking Control Module

GPP-LCM
Lift Control Module

GPP-GT
Guard Tour Module

GPP-MC
Multi Company Module

GPP-CCTV
CCTV Integration Module for DVR's

GPP-Video+
Video Management platform

GPP-OPC
OPC Server Interface

GPP-SQL
SQL Database for GuardPoint Pro

GPP-T-PLUS
Time & Attendance module

GPP-WEB
Web Workstation module - 3 users

GPP-G-PLUS
Graphics plus module
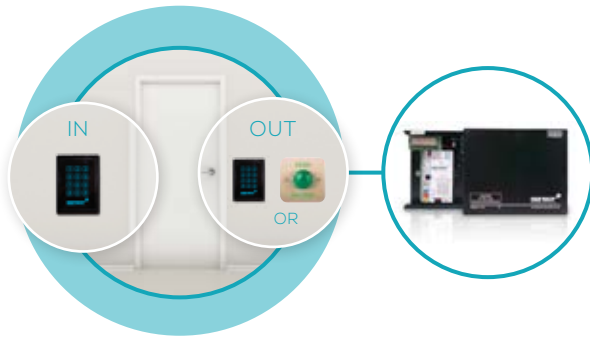
GPP-MS
Multi-Site Module

Intelligent Door Controllers
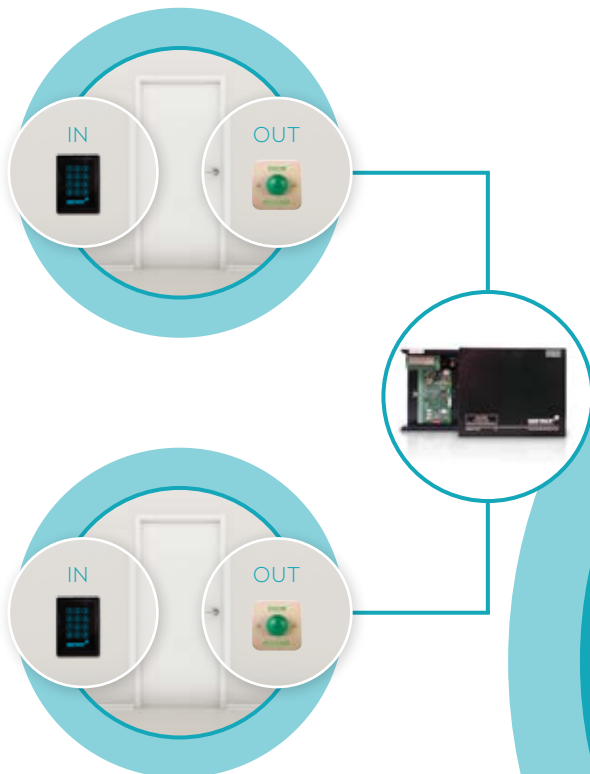
IC500 / IC1000

Overview

The IC500 and IC1000 controllers offer entry level access control for small and medium installations. The cost effective security solution for doors benefits from the powerful features of the GuardPoint Pro software.

IC500 (Above)
2 Reader Controller for 1 Door

IC1000 (Below)
2 Reader Controller for 2 Doors

Cardholders
IC500: Up to 8,700
IC1000: Up to 8,700

Events
IC500: Up to 10,000*
IC1000: Up to 8,700*

Doors
IC500: 1x Door
IC1000: 2x Door

Readers
IC500: 2x Readers
IC1000: 2x Readers

Inputs
IC500: 4x Inputs
IC1000: 4x Inputs

On Board TCP IP
IC500: Optional
IC1000: Optional

Outputs
IC500: 3x Outputs
IC1000: 3x Outputs

Comms Bus
IC500: 1
IC1000: 1

* Expandable dependant on cardholders

Key Features

- 1 door 2 reader / 2 door 2 reader networkable controller
- 5,000 cardholders standard–upgradable to 8,700
- Optional built in TCP/IP interface
- Compatible with all IC controllers
- 4 inputs, 3 outputs on board
- Compatible with Sensor SF or 3rd party readers
- FLASH upgradable memory
- LED diagnostics

Intelligent Door Controllers

IC2001 / IC4001

Overview

The IC2001 and IC4001 controllers suit all medium to high security environments. They offer integrated on-line access control and alarm monitoring. The controllers are scalable from simple single site application right through to complex multi-site installations.

Key Features

- 2 door 4 reader / 4 door 4 reader networkable controller
- 20,000 cardholders standard (upgradable to 110k)
- Optional built in TCP/IP
- Redundant communication bus (optional)
- Plug in expansions available for Inputs and outputs
- Compatible with Sensor SF or 3rd Party readers
- 8 inputs, 4 relay outputs—All supervised
- FLASH upgradable memory
- Full LED diagnostics

Cardholders
IC2001: Up to 110,000
IC4001: Up to 110,000

Events
IC2001: Up to 53,000***
IC4001: Up to 53,000***

Doors
IC2001: 2x Door
IC40001: 4x Door

Readers
IC2001: 2x Readers
IC14001: 2x Readers

Inputs
IC2001: 8x Inputs*
IC4001: 8x Inputs*

On Board TCP IP
IC2001: Option
IC4001: Option

Outputs
IC2001: 4x Outputs**
IC4001: 4x Outputs**
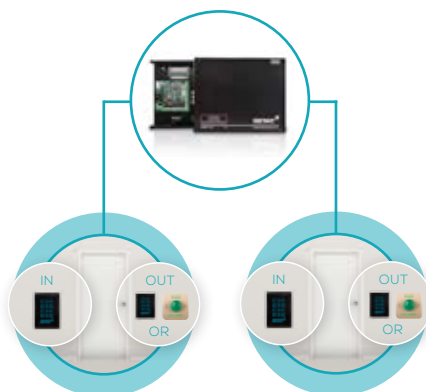
Comms Bus
IC2001: 2
IC4001: 2

* Expandable to 16
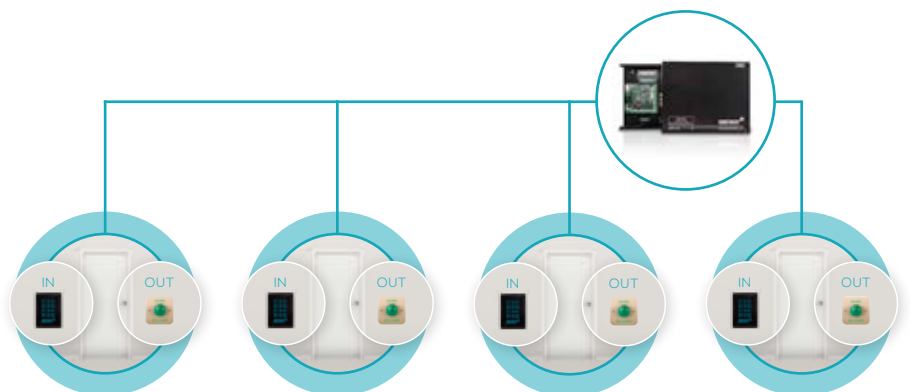** Expandable to 64
*** Expandable dependant on cardholders

IC2001
4 Reader Controller for 2 Doors

IC4001
4 Reader Controller for 4 Doors

Intelligent Networked Door Controllers

IC Controller Comparison Table

	IC500	IC550PoE	IC1000	IC2001	IC4001	ICPRO2	ICPRO4	IC1604
User Capacity Standard	5,000	44,000	5,000	20,000	20,000	65,000	65,000	N/A
User Capacity Maximum	8,700	160,000	10,000	32,110	32,110	266,000	266,000	N/A
Event Buffering	10,000	24,000	8700	53,000	53,000	308,000	308,000	4,500
Maximum Doors	1	1	2	2	4	2	4	0
Maximum Readers	2	2	2	4	4	4	4	0
PSU Current Rating	2	N/A	3	5	5	5	5	1
Monitoring of Low Battery	✗	✗	✗	✓	✓	✗	✗	✗
Monitoring of Low Tamper	✗	✗	✗	✓	✓	✓	✓	✗
PSU Failed Monitoring	✗	✗	✗	✓	✓	✓	✓	✗
Inputs	4	4	4	8	8	8	8	16
Outputs	3	2	3	4	4	4	4	4
RS-232 / RS-485 Connectivity	✓	✓	✓	✓	✓	✓	✓	✓
TCP/IP Connectivity (Option)	✓	✓	✓	✓	✓	✓	✓	✓
Secondary Coms Bus (Option)	✗	✗	✗	✓	✓	✓	✓	✓
Third Com Bus	✗	✗	✗	✗	✗	✓	✓	✗
Diagnostic LED's (Outputs)	✓	✓	✓	✓	✓	✓	✓	✓
Diagnostic LED's (Inputs)	✗	Partical	✗	✓	✓	✓	✓	✓
Supported Technologies	** Supported on all controllers: Biometric, Smart Card, Proximity, Bar Code, Mag Stripe **							
Removable Terminals	✓	✓	✓	✓	✓	✓	✓	✓
Flash Firmware	✓	✓	✓	✓	✓	✓	✓	✓

Reading Technologies

SF Smart Card Readers

Overview

The SensorProx SF range of readers are stylish yet practical and easy to install. All readers are epoxy filled and weather proof and therefore suitable for internal or external applications. The SF format is based on smart read/write technology with sector encryption to offer the user a flexible, secure solution that can be used for multiple applications such as; cashless vending, biometrics, pc log-on etc. With the various options in formats and designs it makes the SensorProx SF range the preferred choice for many users. Sensor Access offers the customers fast delivery for the SF format cards and tags with a guarantee for no duplication.

SF-MINI
Mini smart card reader

SF-SG
Single gang smart
Card reader

SF-KPV
Control keypad and
Smart card reader

SF-DSK RD
Desktop enrolment reader

Key Features

- Secure encrypted format cards and readers
- Mifare compatible—making cards suitable for other applications
- Metal back plate for easy installation
- Non drop bottom screw
- Backlit reader and keypad
- Touch sensitive keypad with LED feedback
- Fully potted IP65 rated suitable for internal and external applications
- Red, green and blue LED feedback

Technical Tips

The SF readers have a configurable output allowing them to read the Full CSN of Mifare Classic, Plus and Desfire cards.

These readers can also be purchased to read the SensorProx and HID prox format cards.

Part Numbers

SF-MINI
Sensor Prox SF mini smart card reader
SF-SG
Sensor Prox SF single gang smart card reader
SF-KPV
Sensor Prox SF single gang prox and pin reader
SF-DSK-RD
Sensor Prox SF format desktop reader

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Reading Technologies

Biometric Bio Sensor Fingerprint Readers

Overview

The Bio Plus is an IP based fingerprint access control device. The unit is integrated with both fingerprint and one of two types of internal proximity card reader (Mifare / SensorProx type)

Key Features

- Award winning fingerprint algorithm
- IP65 Weather proof and IK08 Vandal Resistant option
- 1:2000 identification in 1 second
- Up to 5,000 Users
- Ethernet interface for TCP/IP communication
- Wiegand output configurable to 64 bits
- Built in RF reader
- Slim design for installation on to a door frame
- Multi-colour LED and interface tone buzzer

Part Numbers

S-BIO-SP
Finger print reader with internal SensorProx reader
S-BIO-MF
Finger print reader with internal SensorProx Mifare reader
S-BIO-MF-W
External use finger print reader with internal SensorProx Mifare reader
S-BIO-USB
Desktop enrolment fingerprint reader

Technical Tips

SP Reader is formatted to work with SP Range of Sensor readers
MF Reader is formatted to work with SF Range of Sensor readers
BIO-USB is designed for easy enrolment and practicality on site

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Product List

Software

GPP-LITE	GuardPoint Pro Lite access control software. Real time reporting for systems up to 2,000 users, 8 controllers and 16 readers. Features Alarm Graphics, Badge Printing and simple reporting	
GPP/16	GuardPoint Pro access control software for up to 16 readers and 2,000 users	
GPP/16-ACM	GuardPoint Pro access control software 16 readers and 5,000 users. Complete with Alarm control and Graphics module included (ACM-GPP)	
GPP/64	GuardPoint Pro access control software for up to 64 readers and 5,000 users.	
GPP/128	GuardPoint Pro access control software for up to 128 readers and 10,000 users.	
GPP/256	GuardPoint Pro access control software for up to 256 readers and 40,000 users.	
GPP/512	GuardPoint Pro access control software for up to 512 readers and 65,000 users.	

For software requirements beyond 40,000 cardholders and/or 512 readers, please contact Sensor Access

GPP-BDG	ID card design and production – Produce and print ID cards from within GuardPoint Pro
GPP-WS	Additional Workstation Licence – Manage GuardPoint Pro from multiple PC's.
GPP-ACM	Alarm Control and Graphics – Import graphical maps and manage interactive system alarms,
GPP-PCM	Parking Control – Manage car park spaces according to user and company privilege.
GPP-LCM	Lift Control – Manage access to floors within the building
GPP-GT	Guard Tour – Monitors security guard patrol activity.
GPP-MC	Multi Company Database – Use one GuardPoint Pro software for each company to manage their own system. Single database
GPP-CCTV	CCTV integration module for DVRs - contact Sensor for product compatibility
GPP-VIDEO+	Advanced video Integration Module – Compatible with Milestone, Works with SQL
GPP-OPC	OPC Server Interface
GPP-SQL	SQL Database for GuardPoint Pro
GPP-T+	Time & Attendance module
GPP-MS	Multi-Site Module – Enable independent administration of multiple sites
GPP-G+	Enhanced graphical module – Create layered mapping for single screen administration
GPP-GXY	Galaxy Intruder Alarm Panel Integration Module
GPP-WEB	Web Workstation Module, 3 Users

GUARDPOINT PRO

Product List

Controllers

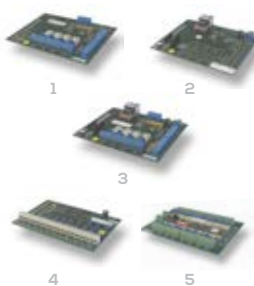|		
IC500 E2	1 Door / 2 Reader Controller, 4 inputs, 3 outputs, 5,000 cardholders (expandable to 8,700) Housed within a metal cabinet with 2A 12VDC Power Supply	
IC500 IP E2	As Above with embedded IP	
IC1000 E3	2 Door / 2 Reader Controller, 4 inputs, 3 outputs, 5,000 cardholders expandable to 8,700) Housed within a metal cabinet with 3A 12VDC Power Supply	
IC1000 IP E3	As Above with embedded IP	
IC2001 E5	2 Door / 4 Reader Controller, 8 inputs (expandable to 16) 4 relay outputs (expandable to 64) 20,000 cardholders (expandable to 32,000) Housed within a 5A 12VDC Power Supply	
IC2001 IP E5	As above with embedded IP	
IC4001 E5	4 Door / 4 Reader Controller, 8 inputs (expandable to 16) 4 relay outputs (expandable to 64) 20,000 cardholders (expandable to 32,000) Housed within a 5A 12VDC Power Supply	
IC4001 IP E5	As above with embedded IP	
ICPRO 2 E5	2 Door / 4 Reader Controller, 32 Bit CPU, 4MB RAM, 10 inputs (expandable to 18) 4 relay outputs (expandable to 64) 64,000 cardholders (expandable to 256,000) Housed within a 5A 12VDC Power Supply	
ICPRO 2 IP E5	As above with embedded IP	
ICPRO 4 E5	4 Door / 4 Reader Controller, 32 Bit CPU, 4MB RAM, 10 inputs (expandable to 18) 4 relay outputs (expandable to 64) 64,000 cardholders as (expandable to 256,000) Housed within a 5A 12VDC Power Supply	
IC PRO 4 IP E5	As above with embedded IP	
IC1604 E1	Alarm Controller with processor flash memory, 16 inputs (expandable to 24) 4 relay outputs (expandable to 56) Housed within a metal cabinet with 2A 12VDC Power Supply	
1. EXT IRLED	Plug In Extension board with 8 supervised inputs, 4 relays and 4 LED controls for card readers (Compatible with IC2000, IC4000 ICPRO2, ICPRO4 & IC1604)	
2. EXT-TCP/IP	Plug In Extension board offering TCP/IP interface and RS485 bus to other IC's (Compatible with IC2000, IC4000 ICPRO2, ICPRO4 & IC1604)	
3. EXT-TCP/IP-IR	Extension board offering TCP/IP interface, RS485 bus, 8 supervised inputs, 4 relays and 4 LED controls for card readers (Compatible with IC2000, IC4000 ICPRO2, ICPRO4 & IC1604)	
4. RLY-12	12 relay plug in extension board (Compatible with IC2000, IC4000 ICPRO2, ICPRO4 & IC1604)	
5. SAT-16	Satellite Relay Module with 16 additional relays. Three can be connected to each IC controller. (Compatible with IC2000, IC4000 ICPRO2, ICPRO4 & IC1604)	
1. USB/485-SEN	USB to RS485 communication interface	
2. RCB	Communication bus kit for adding a 2nd bus to IC controllers. NOT COMPATIBLE WITH IC1000 RANGE	

Product List

Readers & Cards

1. **SF-MINI**	SensorProx SF Format Mini Smart Card Reader. Tri colour back lit reader.
2. **SF-SG**	SensorProx SF Format Single Gang Smart Card Reader. Tri colour back lit reader.
3. **SF-KPV**	SensorProx SF Format Keypad Smart Card Reader, Tri colour back lit keypad. Touch sensitive.

SF-ISO	SensorProx SF Format ISO Cards. 1K Smart Card Technology.
SF-KEY-G/Y	SensorProx SF Format Keyfob. 1K Smart Card Technology, grey or yellow.

SF-DSK-RD — SensorProx SF Format Desktop reader connected to PC via USB

SF-MF-CONFIG-CARD — Programming card to change any SensorProx SF reader from SF Format to SensorProx Mifare. Can be used multiple times. Please see SF readers above

SP-MF-1K — SensorProx Mifare smart card. ISO Read/Write card 1K Bytes.

MF-DSK-RD — SensorProx MIFARE Format Desktop reader connected to PC via USB

1. **SP-MINI2**	SensorProx Format Mini Proximity Reader. Tri colour back lit reader.
2. **SP-SG2**	SensorProx Format Single Gang Proximity Reader. Tri colour back lit reader.
3. **SP-KPV2**	SensorProx Format Keypad Proximity Reader, Tri colour back lit keypad. Touch sensitive.

SP-SHELL	SensorProx Standard Proximity Shell Cards.
SP-ISO	SensorProx ISO Printable Proximity Cards.
SP-KEY-R/G/B	SensorProx Proximity Keytag with hole for key chain, red, green or blue

SP-DSK-RD — SensorProx format Desktop reader connected to PC via USB

S-BIO-SP	Bio Plus fingerprint reader with internal SensorProx card reader. Compatible with SensorProx readers/cards.
S-BIO-MF	Bio Plus fingerprint reader with internal Mifare card reader. Compatible with SensorProx SF readers/cards & Mifare readers/cards.

S-BIO-MF-W — Bio Plus fingerprint reader with internal Mifare card reader. Compatible with SensorProx SF readers/cards & Mifare readers/cards. WEATHERPROOF

S-BIO-USB — Bio USB Desktop enrolment reader

Product List

Door Hardware

1. SPECIAL	Integrated lock & reader. Double Cylinder
2. SPECIAL	Integrated lock & reader. Handle Set

1. EB-1	Surface mount plastic exit button
2. EB-2	Surface mount, vandal resistant, stainless steel exit button
3. EB-3	Surface mount, narrow style, plastic exit button
4. EB-4	Surface mount, narrow style, vandal resistant, stainless steel exit button
5. EB-5	Surface mount, stainless steel, large green dome exit button.

1. BGU-DP	Break Glass Unit, Double Pole, Green
2. BGU-R-DP	Break Glass Unit, Resettable, Double Pole, Green

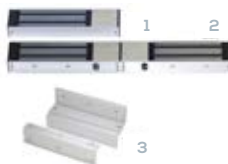|	
1. ML0022	12/24V DC Slimline magnet, Up to 300kg holding force, Monitored
2. ML0062	12/24V DC Slimline double magnet, Up to 300kg holding force, monitored
3. LH0002	Z & L Brackets for slimline maglock (All inward opening doors require Z & L brackets)

1. ML0080	12/24V DC Standard magnet, Up to 500kg holding force, Monitored
2. ML0074	12/24V DC Standard double magnet, up to 500kg holding force, monitored
3. HM0030	Z & L Bracket for standard maglock

1. SHL1200	12/24V DC GS705 Shear Magnet, 30mm wide, Up to 1500kg Holding Force, monitored
2. DX-200	Fail safe, entry-level solenoid bolt, 12/24V DC, IP 53 rated

1. GAER	Standard Fail Secure Release Kit, 12V AC/DC, Adjustable Jaw
2. ARU	Heavy duty ANSI Reversible Release, two faceplates, 12V DC

Warranty

With a 2 year warranty offered on our extensive product range you can rest assured with peace of mind of the quality of our products.

Stock

We stock a full range of products many available for next day delivery at our facilities in the UK.

Customer Support

Sensor Access has a core strength of being a specialist in access control. This means we can spend the time and effort required to offer our clients the most complete and up to date range of integrated access control solutions. The Sensor Access team is built from specialist engineers and management that have many years industry experience and bring with them vast experience and knowledge at both a domestic and international level.

Sensor Access has the ability and experience to work closely with its partners in the design, implementation and after sales support of projects across the globe. The sectors and projects that Sensor continue to be involved in include; Airports, Local Councils, Defence, Ports, Education facilities, Hospitals, Office facilities, Banks, Industrial and Blue chip installations.