Inception Controller

The Inception Controller is a powerful security system that brings together Intruder Detection, Access Control and Automation into one easy to use web based hardware solution.

With Inception, there is no need to install software on a computer, no need to leave a computer on site and no issues with software/firmware compatibility. Instead, the installation process is as simple as powering up the controller, connecting the network cable (or use the optional WiFi adapter) and using any web browser to navigate to Inception's web page. Here you will find everything you need to set-up, commission and operate the entire system.

End users can conveniently use any existing computer, tablet or smartphone to control their Inception system via the fully featured user interface.
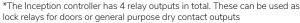
As a standalone controller, Inception is truly flexible straight out of the box. For example, Inception's 8 universal inputs can be used to connect intruder detection devices such as PIRs and window sensors, or they can be used to connect access control sensors such as door reeds and door lock tongue sense devices.

Inception features 4 universal outputs which can be configured to control door locks, switch strobe lights and siren screamers or control other devices for automation purposes.

Inception also features an RS-485 OSDP reader bus, meaning that up to 8 Inner Range SIFER smart card readers, or 8 Wiegand readers via OSDP <> Wiegand converters, can be connected directly to the controller to provide card access for both in and out directions for all doors. All of this is possible without the need to add any additional hardware expansion modules to the system, however Inception's RS-485 LAN expansion port does allows for further expansion where required.

Hardware Features

- Built-in web Interface

- 8 x Universal Zone Inputs - expandable up to 1024

- 4 x Auxiliary Relay Outputs - expandable up to 1024

- Manage up to 4 Doors with the Controller – expandable up to 128

- Manage up to 32 Elevators and 96 Lift Buttons

- Connect up to 8 SIFER / OSDP / HID Hybrid Signo SIFER readers to the Controller - expandable up to 256

- RJ45 - 10/100 Ethernet Port

- LAN Port RS485

- Reader Port - RS485, supports OSDP

- USB Port - Supports connection of Inception Wi-Fi adapter, USB hub and T4000 alarm communicator and Uplink 5530M communicator

System Capacities

	On-board Inception Controller	With LAN Expansion
Doors	4*	128
SIFER Readers	8	256
Wiegand Readers	8**	128/256***
Areas	96	96
Inputs	8	1024
Outputs	4*	1024
Elevators	32	32
Users	10,000	10,000
Events	250,000	250,000

Compatible Expansion Modules

Module / Device Description	Part Number
8 Input LAN Expander (UniBus Host) UniBus 8 Input Expander UniBus 8 Relay Expander	996005PCB&K 996500PCB&K 996515PCB&K
Standard LAN Access Module (SLAM)	996012PCB&K
Intelligent LAN Access Module (ILAM)	996018PCB&K
Paradox RF Expander	995025
Inovonics RF Expander	996008
EliteX Keypad	995400
7" Touchscreen Keypad (White /Black)*	IR-S-TS7W / IR-S-TS7B
SIFER Smart Card Reader	994720 / 994720MF
SIFER Keypad / Smart Card Reader	994725 / 994725MF
Mobile Access Keypad / Reader	994726 / 994723
OSDP<>Wiegand Converter	994200
3rd Party Cellular Communicators	"ANZ" to the Multipath Point
	Compatible with 3rd party Cellular Communicators (NA & EMEA)
LAN Over Ethernet Device (CLOE)	995093
LAN Isolator	995080
LAN Ethernet Bridge Module	996088
Fibre Modem (Single or Multi Mode)	995081 / 995087

*The Inception controller has 4 relay outputs in total. These can be used as lock relays for doors or general purpose dry contact outputs
** Via 8 OSDP <> Wiegand converters
*** 256 Wiegand readers requires a combination of OSDP <> Wiegand converters and 127 Standard LAN Acess Modules.

* Not available in North America

Specifications

Physical

Dimensions (L x W x H):	205mm / 8.1" x 94mm / 3.7" x 38mm / 1.5"
Case Material:	ABS plastic
Shipping Weight (gross):	1.2kg / 2.65lbs
Installation Environment:	0° to 49° C / 32° to 120° F
	@15% - 85% Relative humidity (non-condensing)

Connetions

Zone Inputs	8
Relay Outputs:	4
Relay Contact Rating:	5A 30V DC or AC

Alarm Communications

Format;	Contact ID, IR Fast
Path:	T4000 Alarm Commnunicator, SkyTunnel (via Ethernet)

Electrical

Power Source:

- To "DC IN" (recommended):	18V to 24V DC 2.5A (e.g. the supplied 24V 2.5A PSU) Note: A 12V, SLA Battery of 7AH to 18AH capacity must be connected to BATT' input.
- To "BATT" (alternate method)	12.8V-14V DC 2.8A (e.g. a separate external battery-backed power supply)
Note: "DC IN" should not be connected when powered via the BATT connection	
Idle Current Consumption:	
- DC IN: (24V DC):	60mA (85mA with Ethernet connected)
- BATT: (DC IN = 0V)	110mA (150mA with Ethernet connected) Note: Does not include battery charging or current required by devices.
Additional Current Required For:	
- Built-in Relays: (out 1 ~ out 4)	25mA per relay (33mA when Controller powered from "BATT" input)
- Inception WiFi Adapter:	25mA (40mA when Controller powered from "BATT" input)
- Inception 4-Port USB Hub:	20mA (40mA when Controller powered from "BATT" input) Note: Does not include current required by any device connected to a USB Port
Power Supply Outputs:	
- V OUT (4-PIN)	13.4V DC +/-150mV 1.5A max
- V OUT (2-PIN):	13.4V DC +/-150mV 1.5A max
- LAN +:	13.4V DC +/-150mV 350mA max
- READER +:	13.4V DC +/-150mV 1.1A max
- USB 2.0:	5V DC 500mA max
- Maximum Combined Current - All Outputs:	3 A max
Battery Charger Output	13.75V DC / Output Current: Up to 500mA

Compliance

Electrical

Environmental

RoHS

Ordering Options

996300AU Inception Controller (Australia / NZ)

996300EU Inception Controller (Europe)

996300NA Inception Controller (North America)

996300ME Inception Controller (Middle East)