## SIMPLE PLUG AND PLAY TECHNOLOGY





For Wi-Fi Adaptor or Multipath-IP T4000 Security Communicator



### **Ethernet Port**

For network connection and IP alarm communications via SkyTunnel



Monitor Inception's outer enclosure to detect any attempts to tamper with the controller



### ●○ LED Indicators

Quickly see the status of Inception's system, connections and outputs



8 Universal Inputs Monitor a mix of FOL devices buttons, switches or doors



### **Device Power**

12VDC output for powering PIR's, T4000 or other security devices



### **RS-485 LAN Expansion Port**

Add LAN expansion modules to Inception including keypads, input/output expanders. access control, modules and wireless fobs





Ouputs are truly universal. Control door locks, connect alarm sounders or switch automation controls and external devices



### **SkyTunnel Web Interface**

Scan the QR code or browse to the web address to access yor Inception's web interface from any Internet connected device via the SkyTunnel service











## **Backup Battery Connection**

Connect a 12V SLA battery for back-up power. Can also be used to power Inception from a separate external battery-backed 12-14VDC power supply



## Power Input

18V-24VDC 2.5A to suit Inception's inline power supply



SIFER Reader RS-485 Port Connect up to 8 SIFER readers for in/ out access control of up to 4 doors





Module / Device Description	Code
8 Input LAN Expander (UniBus Host) UniBus 8 Input Expander UniBus 8 Relay Expander	21120 21200 21211
Standard LAN Access Module (SLAM)	21140
Paradox RF Expander	20338
EliteX Terminal / Elite Terminal (Grey)	20309 / 20307
SIFER Smart Card Reader (Standard / Multi Format)	21030 / 21031
T4000 Communicator / T4000 Communicator Spark Network On	35409 / 35409SPARK
LAN Over Ethernet Device (CLOE)	20500
LAN Isolater	20355
Fibre Modem (Multi Mode / Single Mode)	20502 / 20503
Wi-Fi Adapter	21011

	On-Board Inception Controller	With LAN Expansion
Doors	4*	
SIFER Readers	8	64
Wiegand Readers	0	32/64**
Areas	32	32
Inputs	8	512
Outputs	4*	512
Users	2,000	2,000
Events	50,000	50,000





# **SPECIFICATIONS**



Case Material:	ABS plastic	
Dimensions:	205mm x 94mm x 36mm	
Shipping Weight (gross):	1.2kg	
Installation Environment:	0°C - 50°C @ 15% - 90% relative humidity (non-condensing)	
Power Source:	18V to 24vDC 2.5A (e.g. the supplied 24V 2.5A PSU)	
- To "DC IN" (recommended):	Note: A 12V. SLA Battery of 7AH to 18AH capacity must be connected to 'BATT' input.	
- To "BATT" (alternate method):	12.8V to 14vDC 2.8A (e.g. a separate external battery-backed power supply)	
	Note: "DC IN" should not be connected when powered to via the BATT connection.	
Battery (supplied separately):	12 Volt Sealed Lead-Acid (gel) type - 7 to 18 Amp-Hour	
Idle Current Consumption:	Note: Does not include battery charging or current required by any peripheral devices.	
- DC IN: (24V DC)	60mA (85mA with Ethernet connected)	
- BATT: (DC IN = 0V)	110mA (150mA with Ethernet connected)	
Additional Current Required For:	OF the American (OC the American Construction to the area (DATT) in the American (DATT)	
- Built-in Relays: (out 1 - out 4)	25mA per relay (33mA when Controller powered from "BATT" input)	
- Inception Wi-Fi Adapter: - Inception 4-Port USB Hub:	25mA (40mA when Controller powered from "BATT" input) 20mA (40mA when Controller powered from "BATT" input)	
- Inception 4-Port 03B Hub.	Not including current required by any device connected to a USB Port	
Typical Battery Backup Time:	With Ethernet of Wi-Fi + 1 LCD Terminal + up to 200mA for other devices.	
- 7 AH Battery:	16 Hours	
- 18AH Battery:	40 Hours	
- 18AH Battery:	24 Hours Configuration as above but up to 500mA for other devices	
Power Supply Outputs:	See notes 1 & 2 below	
- V OUT:	13.4vDC +/- 150mV 1A max	
- LAN +:	13.4vDC +/- 150mV 1A max	
- READER +:	13.4vDC +/- 150mV 1A max	
- USB 2.0:	5vDC 500mA max	
- Maximum Combined Current - All Outputs:	2.5 A	
Battery Charger Output Vottage:	13.75vDC / Output Current: Up to 500mA	
Typical Battery Backup Time (7Ah battery):	16 hours (with controller connected to Ethernet or Wi-Fi with 1 x Elite keypad	
	and up to 200mA for other devices such as PIR's or readers, etc)	
AC Fail Detect (on "DC IN"):	16.5vDC / Low Battery Detect (on "BATT" inpuy): 11.0vDC	
Output Fuses:	Individual PTC protection - self-resetting	
Battery Input Fuse:	7A onboard fuse - non-replaceable	
Battery Deep Discharge Protection	Activated: 10.4V / Restored: 12.5V	
Zone Inputs:	8	
Relay Outputs:	4 ("OUT1-4")	
Relay Contact Rating:	5A 30vDC or AC (see note 2 below)	
Indicator LED's:	11	
Alarm Reporting Formats:	ContactID or OR-fast (via T4000 or SkyTunnel)	

- IOTES:

  Please refer to the respective product data sheets for details of power supply current requirements of the accessories and expansion modules that may be powered from the Inception controller power supply.

  A separate external battery-backed power supply may be required for devices connected to the Inception controller if the current required is in excess of the maximum current allowed for that output, or causes the maximum combined output current specification to be exceeded.



For more information, visit www.atlasgentech.co.nz/brands/innerrange.html.

There you will find installation guides and videos to help you get the most out of your Inception systems.

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