

## Security Hub for Smart Control

### ingressUS Controllers

Centralization of Access Control Devices Made Easy



Fingerprint



Card



Pin Code



Key Tag



Ingressus I



Ingressus II



Ingressus IV

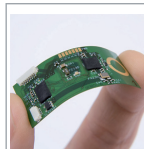
The Ingressus series controller supports access control for a 1-door (Ingressus I), 2-doors (Ingressus II) and 4-doors (Ingressus IV) environment. Users verify their identities at the relevant Wiegand or RS485 terminals readers by fingerprint, card, password or any combination during entry and exit. The Ingressus controllers verify users' identities before granting them access. Transaction records are saved into its inbuilt memory and the records are sent to the software immediately for further processing.

Once multiple Ingressus controllers are set up, they can be centralized via IP connection in a computer installed with the bundled Ingress software. Each Ingressus controller works independently at its access point; however the data is centralized from all Ingressus controllers to give a better and complete picture of the environment's security level.



#### Surge Protection

Ingressus provides 3 types of extra protection for your security hardware i.e. Over Current Protection, Over Voltage Protection and Reversal Protection; extending the life-span of your products.



#### Get Flexibility with Ingressus

Ingressus supports several different Wiegand formats as well as various card terminal formats, providing you with flexibility for your security system.



#### Real-Time Door Status & Event Monitoring

With the real-time door status & event monitoring, door opening and door closing activities can be supervised at all times.



#### Multi-card Operation in Ingressus

Ingressus offers multicard operations to manage high-secured areas. Access is only allowed when these multiple cards are presented at the specific device.



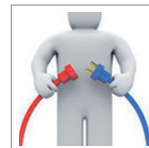
#### Antipassback Feature for Extra Security

Important in a security system, this feature is to ensure that no single person leaves a premise untraced.



#### Duress Mode for Emergencies

Ingressus is equipped with a duress mode to provide alternatives to users in an emergency.



#### Connect All Security Devices

Link all your security devices under one management, including CCTV, fire alarms, and building automation systems (BAS) for a total security solution.



#### Readily Available I/O Ports

For a complete security solution, the Ingressus provides readily available ports for alarms, sensors, exit buttons, and other security accessories.



#### Data Communication via IP

Ingressus offers easy data communication using the most commonly used protocols which are TCP/IP.



#### One Stop Verification

Ingressus doesn't only centralize devices, it also allows a centralized verification for an exceptional security no other brands can provide.



#### Secure Your Premise with the Interlock Function

One door opens, another closes – that's the logic of interlocking, providing you with tighter security.



#### SDK for Your Convenience

Integrate Ingressus into your existing access control software or develop your own customized software with our SDK, free of charge.



## WEB LINK



### Product

- <http://info.fingertec.com/ingressus-1>
- <http://info.fingertec.com/ingressusII-1>
- <http://info.fingertec.com/ingressusIV-1>



### Installation Guide

- <http://info.fingertec.com/ingressus-2>



### Technical Tips

- <http://info.fingertec.com/ingressus-3>

## RECOMMENDED FINGERTEC SLAVE TERMINALS



**R2c**  
(Fingerprint, RF Card, Key Tag)



**OFIS-y**  
(As a fingerprint enrollment station)



**i-Kadex**  
(RF Card, Key Tag)



**k-Kadex**  
(Pin/Code, RF Card, Key Tag)

Refer to [product.fingertec.com](http://product.fingertec.com)

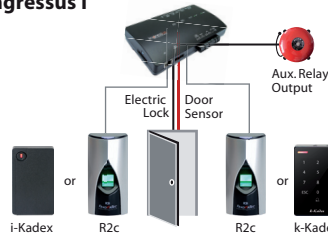


### Packaging

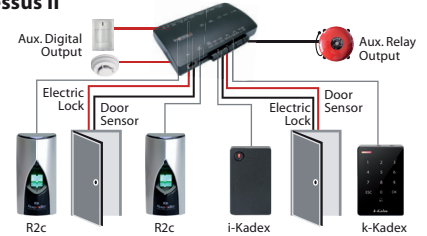
Dimension (mm) : 246 (L) x 154 (W) x 55 (H)  
Weight : 0.65 kg (Ingressus I)  
: 0.65 kg (Ingressus II)  
: 0.80 kg (Ingressus IV)

## INSTALLATION DIAGRAM

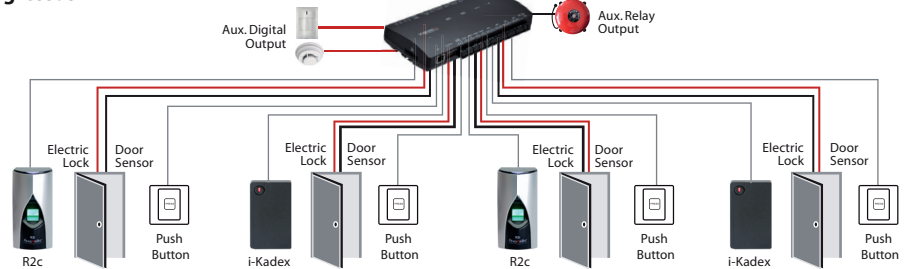
### • Ingressus I



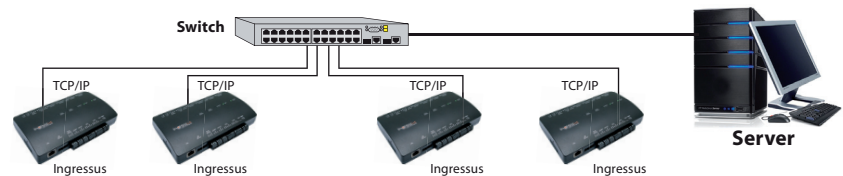
### • Ingressus II



### • Ingressus IV



### • TCP/IP - Requires a switch/network hub



## SPECIFICATIONS

MODEL	Ingressus I	Ingressus II	Ingressus IV
BASIC			
Dimension (L X W X H), mm	186 x 106 x 36		226 x 106 x 36
Power input	12V DC		
Operating temperature (°C)	0 - 55		
Operating humidity (%)	10 - 80		
CPU	32-bit, 400MHz		
Flash memory (MB)	128		
SDRAM (MB)	32		
Polarity protection	Yes		
STORAGE			
Fingerprints	3000		
Cards	30000		
Passwords	30000		
Transactions	100000		
COMMUNICATIONS			
Communications with server	TCP/IP		
Quantity of terminal	2	4	4
Communication with terminals	2 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS485 network) (max 2 units)	4 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS 485 network) (max 4)	4 x 26-bit Wiegand input. Each for 1 slave terminal (1 x RS485 input to support RS 485 network) (max 8 units)
INPUT			
Push release button	1	2	4
Door sensor	1	2	4
AUX	1	24	
Types of AUX input supported	Motion detector, passive DIR detector, curtain passive infrared detector, pet immunity PIR detector, two beam digital active infrared detector, heat detector		
OUTPUT			
Door lock (12VDC 10A form C relay)	1	2	4
AUX output (30VDC 2A form C relay)	1	2	4
Types of AUX output supported	Gas detector and compatible sensors, Piezo strobe siren, electronic siren		
ACCESS CONTROL FEATURES			
Main Features	Door opening time (0-999s), Inter-locking (Ingressus II & IV only), Anti-pass back (Local only), Multi card unlocking, First card unlocking, Time zone (50), Holiday time zone, Permanent door release/lock time zone, Day light saving time zone, Continuous verification of users		
Security Features	Door force open alarm, Door open time out alarm, Fire linkage, Duress alarm, Door status and event (51 types)		
SOFTWARE			
Ingress	Bundled		

NOTE: Specifications are subject to change.  
Check <http://product.fingertec.com> for latest product information.

Authorized Reseller:



**FINGERTEC**  
[www.fingertec.com](http://www.fingertec.com)

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