



## Security Hub for Smart Control

### ingressUS Controllers

Centralization of Access Control Devices Made Easy



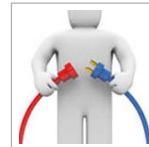
The Ingressus series controller supports access control for a 1-door (Ingressus I), 2-doors (Ingressus II) and 4-doors (Ingressus IV) environment. Users verify their identities at the relevant Wiegand terminals or RS485 readers by fingerprint, card, password or any combination during entry and exit. 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 or RS485 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.



#### 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.



#### 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.



#### 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.



#### 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.



#### Data Communication via IP or RS485

Ingressus offers easy data communication using the most commonly used protocols which are TCP/IP and RS485.



#### Multi-card Operation in Ingressus

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



#### One Stop Verification

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



#### Antipassback Feature for Extra Security

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



#### Secure Your Premise with the Interlock Function

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



#### Duress Mode for Emergencies

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



#### 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/ingressusI-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)

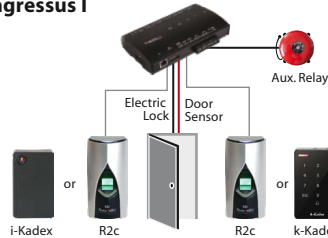


### Packaging

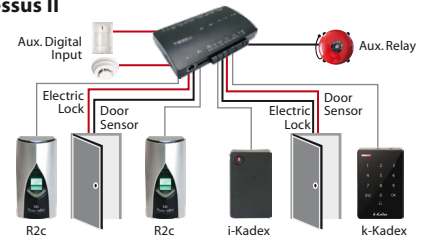
- 1** Ingressus I & II  
Dimension (mm) : 210 (L) x 155 (W) x 48 (H)  
Weight : 0.65 kg
- 2** Ingressus IV  
Dimension (mm) : 246 (L) x 154 (W) x 55 (H)  
Weight : 0.80 kg

## INSTALLATION DIAGRAM

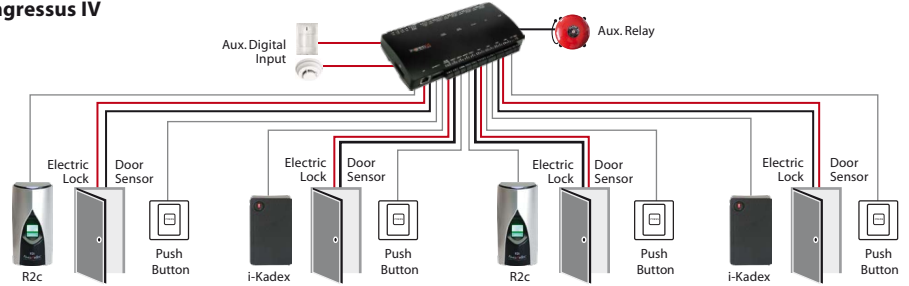
### • Ingressus I



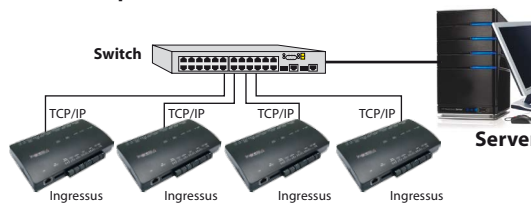
### • Ingressus II



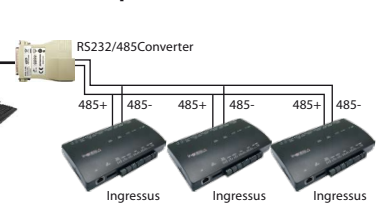
### • Ingressus IV



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



### • RS485 - Requires a converter



## SPECIFICATIONS

MODEL	Ingressus I	Ingressus II	Ingressus IV
<b>BASIC</b>			
• 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		
<b>STORAGE</b>			
• Fingerprints	3000		
• Cards	30000		
• Passwords	30000		
• Transactions	100000		
<b>COMMUNICATIONS</b>			
• Communications with server	TCP/IP, RS485		
• 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)
<b>INPUT</b>			
• Push release button	1	2	4
• Door sensor	1	2	4
• AUX	1	2	4
• 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		
<b>OUTPUT</b>			
• 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		
<b>ACCESS CONTROL FEATURES</b>			
• 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)		
<b>SOFTWARE</b>			
• 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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