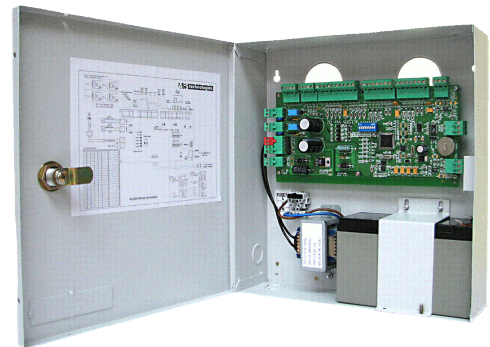The **ACU205** controller is an effective, low cost 2-door access control solution that comes with a built-in capacity for 5,000 cardholders and 10,000 events. This latest value-for-money addition to the product line also boasts the latest technology.
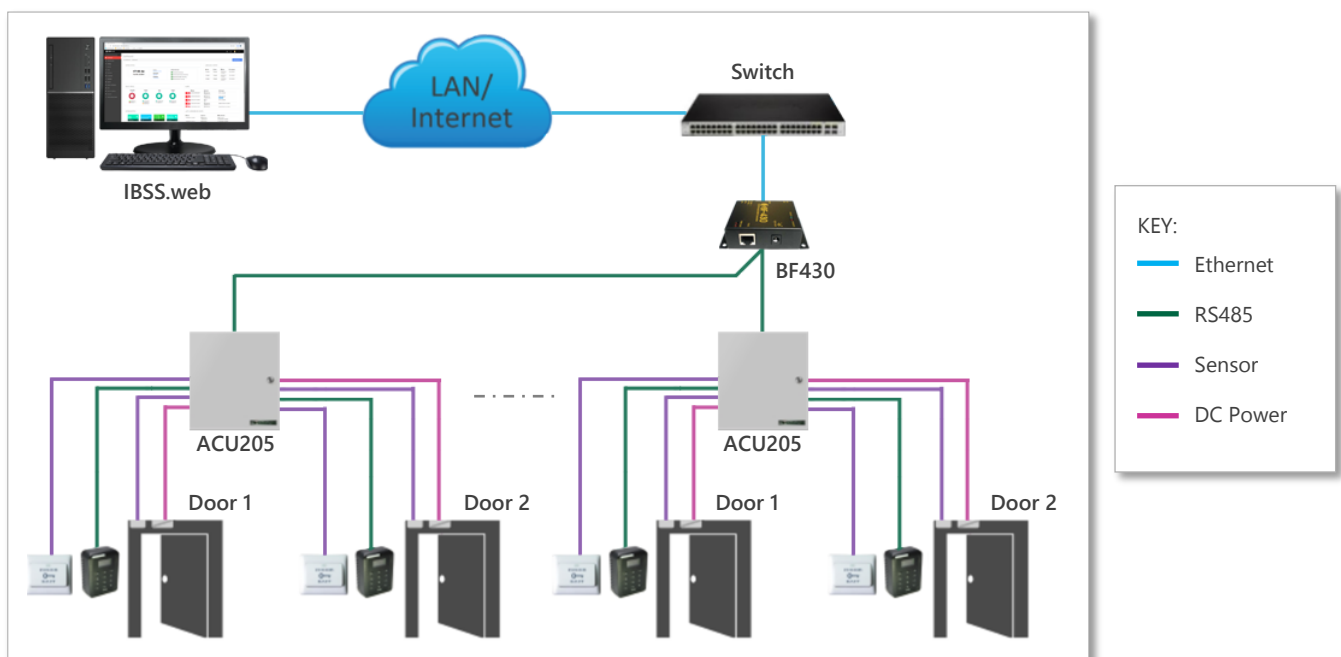
The **ACU205** is built-in communications interface supports both RS485 and Wiegand, making the **ACU205** highly versatile for use with any combination of proximity, biometric and smartcard readers. The system is extremely flexible, and easily expandable from a single unit to full networking of up to 256 readers with RS485.

Key Features

- Cost-effective 2-door access control
- ALL-in-ONE single box solution with support for 8 alarm inputs and 6 outputs
- Easy to install, setup & maintain
- Support both RS485 and Wiegand reader interface
- Integrated power supply & backup battery for supply to control board, readers & locks
- High-end integrated access control with intrusion functions
- Multiple card formats
- Multiple site codes
- 4 x 256 access groups
- 64 weekly schedules and 50 holidays

Schematic Diagram

Technical Specifications

Specifications*	ACU205
Description	Two Door Access Controller
Reader Type	RS485 readers—AMR170, AMR200 & AFR8600 reader families Wiegand readers—Proximity, Magnetic Stripe, Contactless Smartcard, Biometric
Card Holders	5,000
Event Buffer	10,000
Input Type	8 x Supervised / Non– Supervised
Output Type	2 x 12VDC/ 1A max
Size (H x W x D)	300 x 280 x 70mm
Weight	4000 g without battery 7000 g with battery
LED Indicator	Green/ Red
Buzzer	Multi Tone
Communication Interface	RS485 (Host + Reader)
Communication Speed	9,600 bps
Reader Interface	Wiegand / RS485
Open Collector Power Output	4 x 12VDC / 0.1A max
Schedules	64 maximum
Access Modes	Card Only, Card + PIN
Power	230VAC/ 50Hz/ 1A
Battery Backup	12VDC/ 7AH sealed lead acid
Operating Temperature	-20°C to 60°C

Specifications are subject to change without prior notice

Ordering Information

Model No.	Description
ACU205 Complete 2-Door package basic configuration - 2-Door Controller board 5,000 Card IDs & 10,000 Events - 2 Wiegand/ 8 Input/ 6 Output - Metal enclosure with tamper switch & keylock	
ACU205G1	ACU205 2-Door Package - with 7AH battery and 15V/3A transformer
ACU205G2	ACU205 2-Door Package - without battery and transformer
Accessories	
APB205	ACU205 Controller PCB Assembly only
ABT7AH	12V 7AH Lead Acid Battery for ACU200/205
AET200	Metal Enclosure for ACU200/205
ATX205	Transformer 15V/3A Output