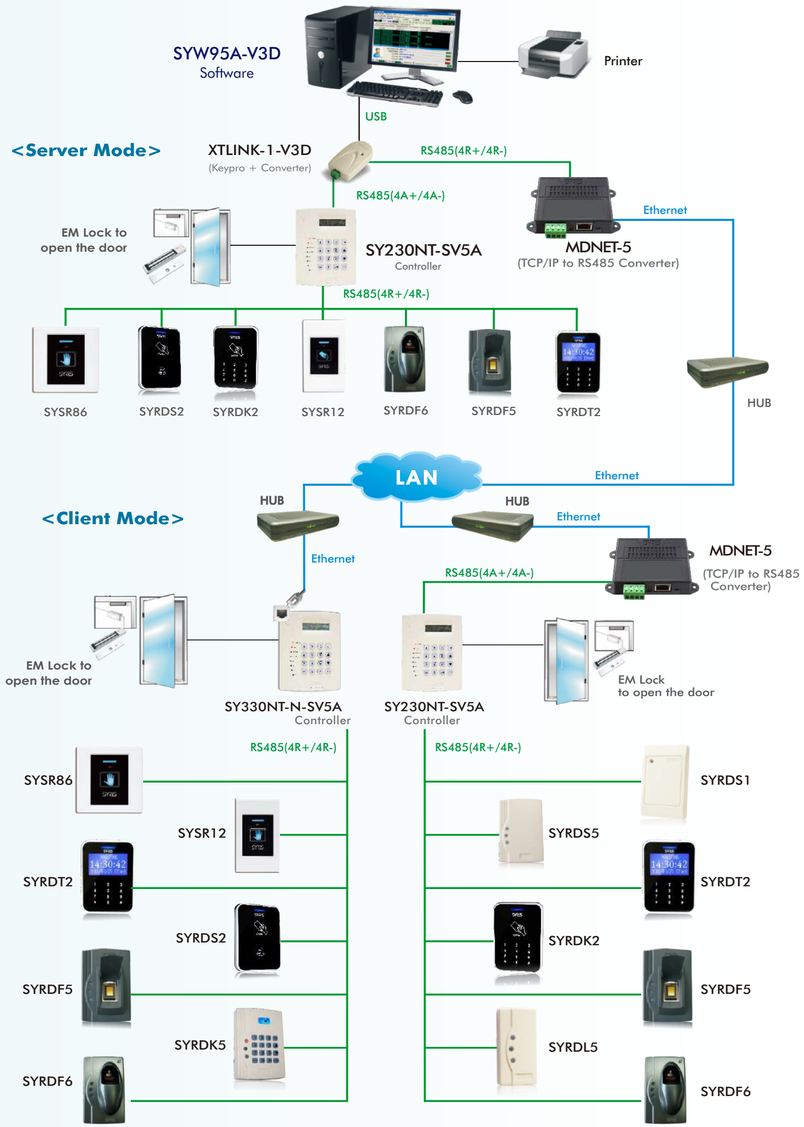
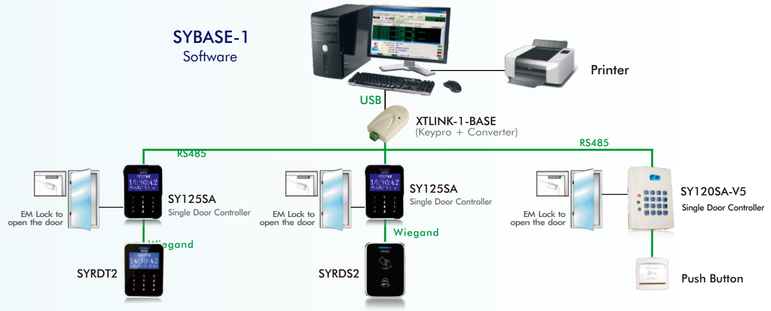
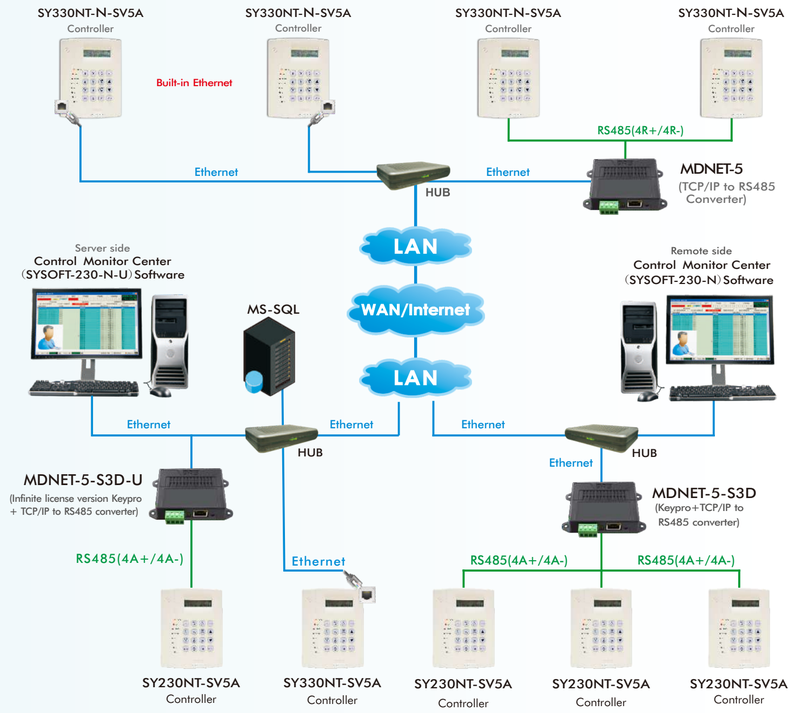
SYW95A Serial — System Network Diagram



SYBASE Serial — System Diagram



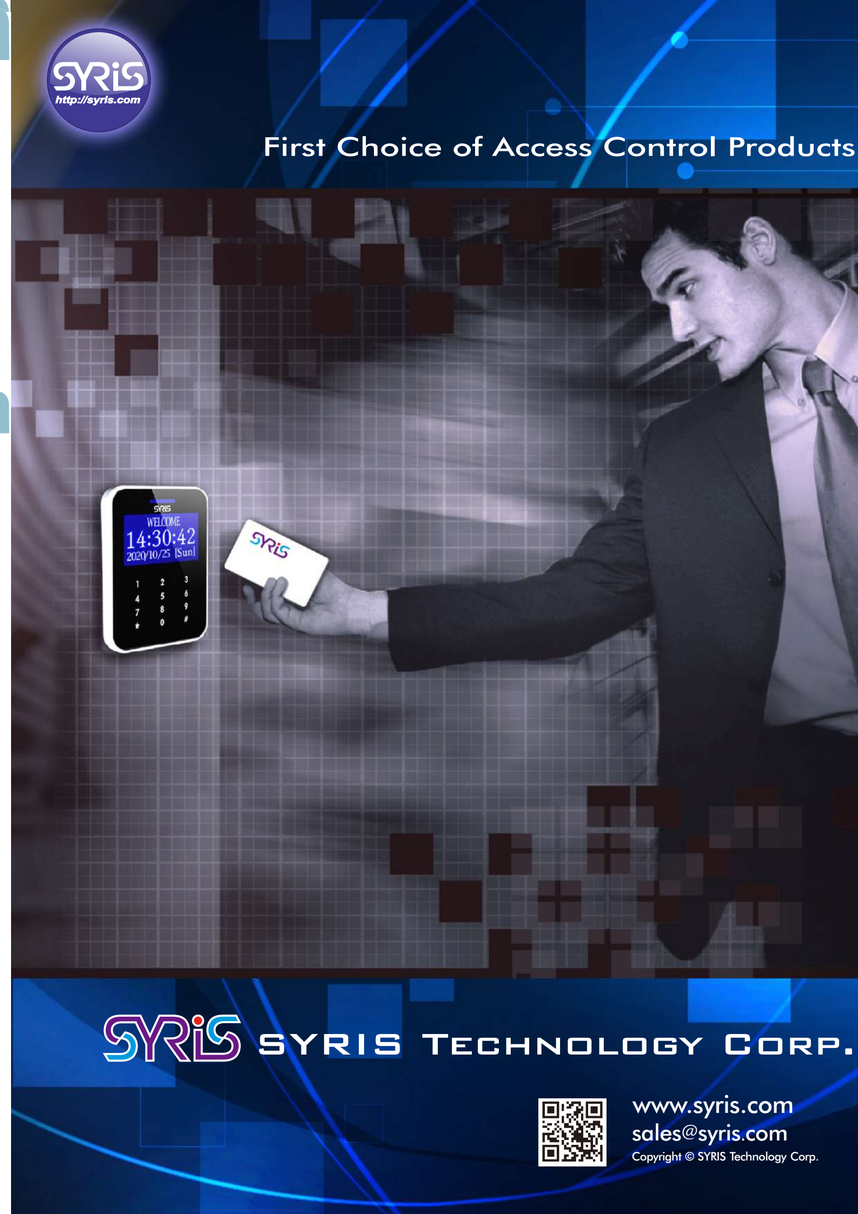
SYSOFT-230 Serial — System Network Diagram



☆ The above scenario can support to connect controller number up to 9,999.

This specification is preliminary and subject to change without prior notice. MAR. 2018

CE FC ISO 9001 afaq



Controller

SY330NT4-N-SV5A/PV5A
4 Door Network Controller

- Number of Cards : 25,360
- Use LCD display reader can show card holder name. (English: 12 Char. or Chinese: 6 Char.)
- Capacity of Records : 55,510
- Number of Readers : 8 (4In, 4Out)
- Door Control : 4 Doors

4 | 25,360 | 55,510 | RS485 | Wiegand | TCP/IP

- Communication : RS485 x 2, TCP/IP, Wiegand x4
- Input Points : Normally 8
- Relay Output : Normally 4
- Wiegand Input : 4 (Wiegand 26/32/34/35/37/42/50/66 bits)
- Dimensions (mm) : **SV5A -** 137W x 180H x 54D
  PV5A - 122.5W x 117H x 25D(PCB)

• Built-in Anti-Tamper protection / Buzzer.

S230NT4-SV5A/PV5A
Multi-Door Controller

- Number of Cards : 9,999
- Use LCD display reader can show card holder name. (English: 12 Char. or Chinese: 6 Char.)
- Capacity of Records : 4,100
- Number of Readers : 4 (2In, 2Out) / 8 (4In, 4Out)
- Door Control : 2 / 4 Doors

2 / 4 | 9,999 | 4,100 | RS485 | Wiegand

- Communication : RS485 x 2, Wiegand x 2/4
- Input Points: Normally 4/8
- Wiegand Input : 2/4 (Wiegand 26/32/34/35/37/42/50/66 bits)
- Relay Output : Normally 2 / 4 .
- Dimensions (mm) : **SV5A -** 137W x 180H x 54D
  PV5A - 122.5W x 117H x 25D(PCB)

• Built-in Anti-Tamper protection / Buzzer.

SY125SA
Touchable LCD Display Single Door Controller

- Transmit Frequency : 125KHz /13.56MHz (Mifare)
- Number of Cards : 2,000
- Capacity of Records : 2,000
- Communication : RS485
- LCD Display : 128x64 Dots (16x4 Char)

125 KHz | 13.56 MHz | Single | 2,000 | 2,000 | RS485 | 16x4 Char LCD

- Number of Readers : 1 Built-in, 1 Extend
- Input Points : 4 NV Input • Output : 2 Relay
- Wiegand Input : (Wiegand 26/32/34/35/37/42/50/66 bits)
- Read range : 5cm~15cm / 3cm~8cm
- Dimension (mm) : 83W x 121H x 32D

• Built-in Anti-Tamper protection / Buzzer.

SY120SA-V5
Single Door Controller

- Transmit Frequency : 125KHz /13.56MHz (Mifare)
- Number of Cards : 2,000
- Capacity of Records : 2,000
- Number of Readers : 1 Built-in, 1 Extend
- Communication : RS485

125 KHz | 13.56 MHz | Single | 2,000 | 2,000 | RS485

- Input Points : 4 NV Input
- Output : 1 Relay, 1 Voltage Output
- Extend Door-Bell Function
- Dimension (mm) : 83W x 121H x 32D

• Built-in Anti-Tamper protection / Buzzer.

SY110SA
Single Door Controller

- Transmit Frequency : 125KHz
- Number of Cards : 1,200
- Number of Readers : 1 Built-in, 1 Extend
- Input Points : 2 NV Input

125 KHz | Single | 1,200 | RS232-TTL

- Output : 1 Relay
- Dimension (mm) : 83W x 121H x 32D

• Built-in Anti-Tamper protection / Buzzer.

Reader

RD200-U1 (eTag compatible)
USB RFID Desktop UHF Reader

- Frequency : 860~960MHz
- Compatible with EPC Class 1Gen 2; ISO-18000-6C
- Interface : USB 2.0 Compliant
- Read Range : Up to 20 cm
- Write Tag : Up to 15 cm
- USB Firmware upgrade function

Card | Key | USB | 860~960MHz

- ID device has a separate serial number for identification
- Support different digits and decimal format ID
- Powered by USB connection to notebook or desktop PC
- Provide complete development tools
- USB Keyboard Emulation
- Support tag read and write capabilities
- Dimensions(mm) : 105W x 72H x 16D

Rd200-M1/LF
USB RFID Desktop Reader

- Frequency : **M1 -** 13.56MHz
  LF - 125KHz/134.2KHz
- Interface : USB 2.0 Compliant, Mini USB 5-pin Connector
- Read Range : 0cm~5cm/ 0cm~6cm
- Card Compatibility : ISO-14443A(Mifare) EM4100 compatible class/FDX-B(ISO11784)
- Provide API development tools

Card | Key | 13.56 MHz | 125 KHz | 134.2 KHz | USB

- Automatically detect the card and read the UID (or block data)
- USB Firmware upgrade function
- USB Keyboard Emulation
- Built-in antenna, two-color LED and buzzer
- ID device has a separate serial number for identification
- Provide BCB6, VB6, VB.NET example programs and VC, VB, BCB, DevC, C # library
- Dimensions(mm) : 105W x 72H x 16D

Reader

Capacitive

Optical

SYRDF5 SYRDF6
Fingerprint Proximity Reader

- Transmit Frequency : 125KHz / 13.56MHz (Mifare)
- Number of Fingerprints : 9,000
- Support Software : SYSOFT-FPM / SYSOFT-230
- Communication : RS485 and Wiegand.

Card | Key | Fingerprint | 125 KHz | 13.56 MHz | RS485 | Wiegand

- Dimensions(mm) : **F6 -** 91W x 146H x 61D
  F5 - 83W x 121H x 45D

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

SYRDT2
Touch Keypad LCD Display Reader

- Transmit Frequency : 125KHz / 13.56MHz (Mifare)
- Read range : 5cm~10cm / 2cm~6cm
- ID : 1~9,999
- Keypad : 12 keys
- Baud Rate : 4,800~230,400 bps
- PIN to Open Door

Card | Key | PIN | 125 KHz | 13.56 MHz | RS485 | Wiegand

- LCD Display : 128x64 Dots (16x4 Char) LCD
- Communication : RS485 and Wiegand(26/32/34/42/66 bits)
- Dimensions(mm) : 89.4W x 124H x 12D

16x4 Char LCD | A 简 繁

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

SYRDS2
Touch Panel Reader

- Transmit Frequency : 125KHz / 13.56MHz (Mifare)
- Read Range : 5cm~10cm / 2cm~6cm
- ID : 1~9,999
- Communication : RS485 and Wiegand

Card | Key | 125 KHz | 13.56 MHz | RS485 | Wiegand

- Baud Rate : 4,800~230,400 bps
- Dimensions(mm) : 89.4W x 124H x 12D

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

SYRDK5
Keypad Proximity Reader

SYRDS5
New Proximity Reader

- Transmit Frequency : 125KHz / 13.56MHz (Mifare)
- Read Range : 5cm~15cm / 2cm~6cm
- ID : 1~8 or 01~99
- Keypad : 17 keys (K5)
- PIN to Open Door (K5)

Card | Key | 125 KHz | 13.56 MHz | RS485 | Wiegand

- Communication : RS485 and Wiegand
- Baud Rate : 4,800~115,200 bps
- Dimensions(mm) :**K5 -** 83W x 121H x 32.0D
  S5 - 83W x 121H x 29.5D

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

SYRDS1
Standard Proximity Reader

SYRDL5
EM Mini Proximity Reader

SYRDM5-H1
HF Mini Proximity Reader

Card | Key | 125 KHz (S1/L5) | 13.56 MHz (S1/M5) | RS485 | Wiegand

- Communication : RS485 and Wiegand.
- ID : 1~8 or 01~99
- Baud Rate : 4,800~115,200 bps
- Dimensions(mm) : **S1 -** 75W x 115H x 16D
  L5 - 44W x 88H x 20D
  M5 - 44W x 81H x 16.6D

- Transmit Frequency: S1/L5 : 125KHz
  S1/M5 : 13.56MHz (Mifare)
- Read Range: **S1 -** 5cm~15cm/2cm~6cm
  L5 - 5cm~10cm
  M5 - 1cm~3cm

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

■ RD300-H1

■ RD300-FH1

RD300-H1/FH1
■ USB RFID Desktop Reader
■ USB RFID and Fingerprint Reader

Card | Key | Fingerprint (FH1) | 13.56 MHz | USB

- Transmit Frequency :13.56MHz
- Interface : USB2.0 compliant
- Card Compatibility : ISO 15693 / ISO 14443A(Mifare) / ISO 14443B / Felica / DESFire / NTAG203
- Input voltage : standard USB power-5v 50
- Support analog standard keyboard input.
- Provides a complete development tool.
- ID device has a separate serial number for identification.
- USB firmware upgrade.
- Support decimal, hexadecimal and ASCII ID formats.
- Development Tools: Provides BCB6, Vb6, VB.NET sample program
- Built-in antenna, two-color LED indication and Buz
- USB RFID and Fingerprint Reader(FH1).
- Optical fingerprint sensing module, non-directional fingerprint sensor.
- Fingerprints storage :2,000 fingerprints
- Match mode :1:1, 1:N
- Dimensions (mm): 62.3 W x 87.7 H x 18.4 D .

Reader

SYSR86 / 12
■ Card Reader

- Standard 86 boxes and 120 boxes size, ultra-thin lightweight spill-resistant design
- Wave infrared sensor to open the door
- Tricolor LED Indicator
- Support in Rs485 and Weigand
- Frequency : 13.56MHz
- Read Range : 1~5cm
- ID Setting : 1~9,999
- IR sensor : 1 IR sensor for waving hand, adjustable range 0~10cm
- Relays can be accessed doorbell or lamp or electric lock

Card | Bell | Waving | Touch | 13.56 MHz | RS485 | Wiegand

- With a variety of access mechanisms and modalities
- Baud rate : 19,200 bps (4,800~230,400bps)
- Card Type : ISO14443A(Mifare)/B/ ISO 15693(ICODE)
- Interface : RS485, Weigand(Support 26/34/42/66 Bits)
- Digital input : Up to 3(1 for non-voltage DI+2 for non-voltage DI share same port with Weigand)
- Dimensions(mm): **86 -** 86Wx86Hx11.8D
  12 - 70Wx120Hx11.8D

• Built-in Anti-Tamper protection.
• Built-in Buzzer.
• Built-in Watchdog to prevent system from halting.

Software

SYSOFT Series

- Support for Windows XP/7/8/8.1/10
- Support for MS-Access / MS-SQL (Default : MS-Access).
- Support to Backup/Restore database with XML file.

A 简 繁

SYSOFT-230
Network AccessControl System Management Software

- Support for SY330NT/SY230NT/SY210NT/SY260NT/SY120SA/SY125SA.
- Showing card holder name by using SY230/210/260NT.
- Maximum number of linked controllers : 9,999.
- Card capacity : 6,000~63,000.

- Communication interface : USB、TCP、UDP.
- Support for APB(Anti-Pass Back) application.
- Including Basic functions of T&A Software.
- Support to lift control for 64 floors.
- Holiday setting.
- Alarm for door open time-out.
- E-map control.
- Support to APP setting with 64 groups.
- Door switch with Hydrant / Fire alarm
- Voice broadcast via computer.

SYSOFT-TAM
Time Attendance (Advanced functions) Management System

- Advanced functions of T&A software.
- T&A statistical Results / Browse / Report.
- T&A analyze with flexible shift.
- Giving notice via E-mail.
- Create and statistic Overtime/Leave data.
- Integrated with access control software SYW95A / SYBASE.

SYSOFT-FPM
Fingerprint Management System

- Enroll / Upload Fingerprint templates to SYRIS fingerprint reader (SYRDF5/SYRDF6) via desktop fingerprint scanner via software.
- Multi-layer function operate authority setting.
- 10 fingerprint template for each user.
- Batch erase function for removing fingerprint templates from reader.
- Integrated with access control software SYW95A.
- Anti-duress fingerprint .

SYW95A
Access Control Management System

- Support for SY330NT/SY230NT / SY210NT/SY260NT.
- Support for Windows XP/7/8/8.1/10
- Support for MS-Access.
- Card capacity: 9,999.

- Communication interface : USB.
- Maximum number of linked controllers: 99.
- Support APB(Anti-Pass Back) application.
- Holiday setting.
- Alarm for door open time-out.
- Support to lift control for 64 floors.
- Support to APP setting for 16 groups.
- Including Basic functions of T&A Software.

SYBASE
Access Control Management System

- Support for SY120SA/SY125SA.
- Support for Windows XP/7/8/8.1/10
- Support for MS-Access / MS-SQL.
- Card capacity : 2,000.
- Stand-alone / Network.

- Support to TCP/IP
- Maximum number of linked controllers: 999.
- Communication interface : USB、Ethernet.
- Real-time E-map control.
- Build-in card assignment function
- Automatically detect door status.
- Reports output.
- Including Basic functions of T&A Software.

Accessory

MDNET-5
Ethernet to RS485 Converter

- Communication : RS485
- Baud Rate : 4,800~115,200 bps
- Configuration : MDNET Tools & Web Browser (IE, Firefox)
- Operating Mode: TCP Server, TCP Client, UDP
- Networks : 10BASE-T/100BASE-TX port, 10/100Mbps (Auto-detecting)
- TP Port : RJ-45
- Input Voltage : 8~15V DC
- Dimensions(mm) : 77W x 59H x 22.5D

RS485 | TCP/IP

MDWIE-1
Wiegand converter Module

- Support Type : Keypad Reader and Standard Reader.
- Communication : RS485
- Baud Rate : 4,800~115,200 bps
- Input : Wiegand 4 / 6 / 26 / 32 / 34 / 35 / 37 / 42 / 50 bits Reader.
- Channel : 2 Channel
- Dimension (mm) : 75W x 115H x 15D

RS485 | Wiegand

MDDIDO-1S

MDDIDO-16

Extend DIDO Module

- Input : **1S -** 4 Input
  16 - 16 Input(16) (Voltage Free)
- Output : **1S -** 2 Relay
  16 - 16 Relay

- Communication : Rs485
- Dimensions(mm) :
  1S - 75W x 115H x 22D
  16 - 107W x 138H x 22D

RS485