Training on Fingerprint Communication & Setting

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Access Control Software

- Download records from fingerprint reader regularly.

- Upload and download user's information.

- Manage user's privileges.

- Monitor in-and-out state with machines connected with network.

- Operator sets up the system to ensure security.

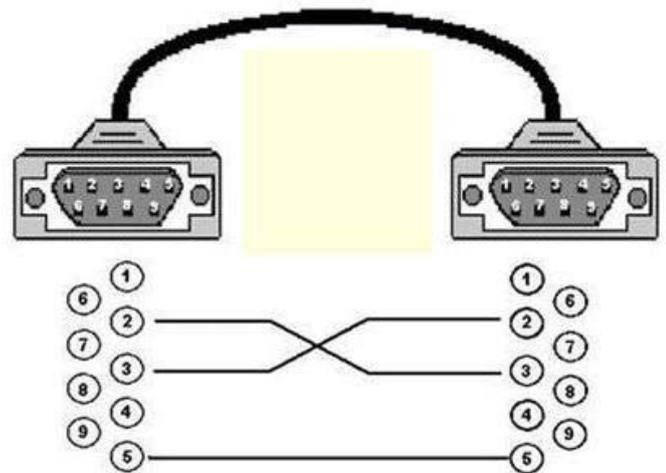- Control machine remotely, initializing machine and operating machine synchronously.

Equipment Connection

- RS 232 Connection
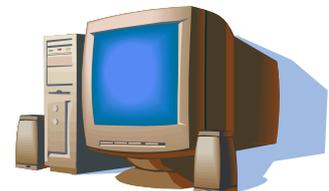- RS 485 Connection
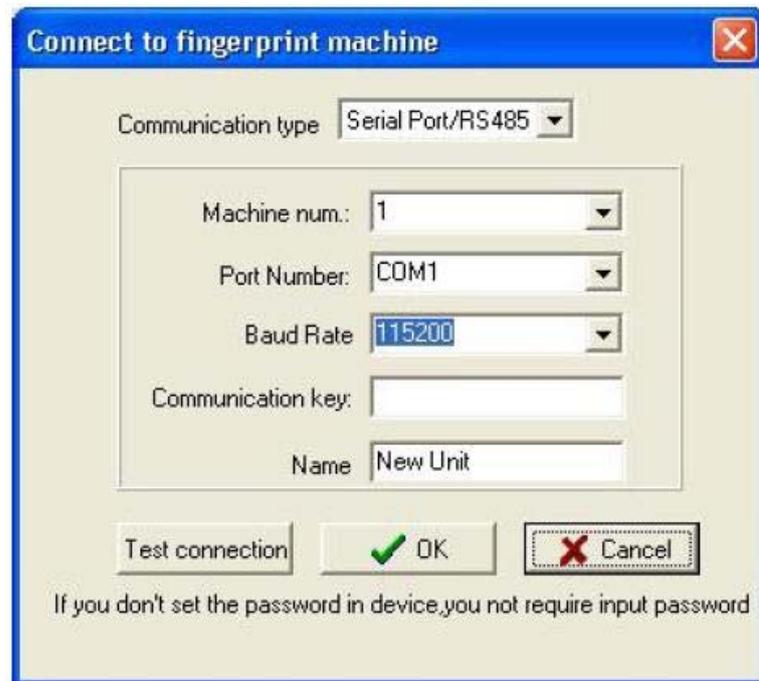- Ethernet Connection
- USB Connection

RS 232

RS232 Cable

RS 232 Terminal Setting

RS 485

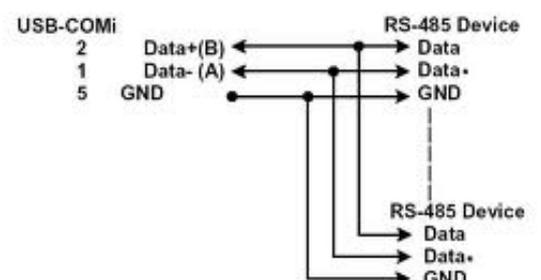# Ethernet

Cross Cable

Straight Cable
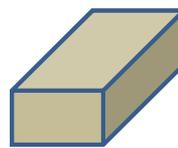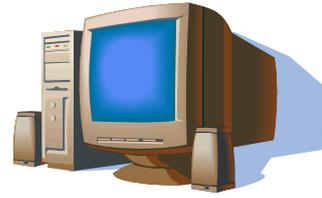
Ethernet HUB

Ethernet Cable

CROSS-OVER
Wiring Standards Used
T568A   T568B

TX+1   1 TX+
TX- 2   2 TX-
RX+ 3   3 RX+
4   4
5   5
RX- 6   6 RX-
7   7
8   8
PC   PC

STRAIGHT-THROUGH
Wiring Standards Used
T568A   T568A

TX+1   1 RX+
TX- 2   2 RX-
RX+ 3   3 TX+
4   4
5   5
RX- 6   6 TX-
7   7
8   8
PC   HUB,
SWITCH
or ROUTER
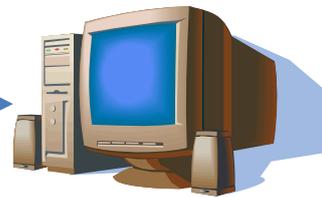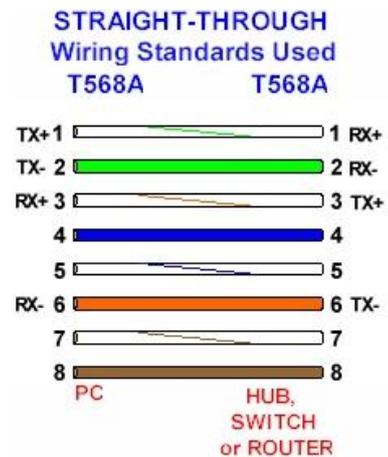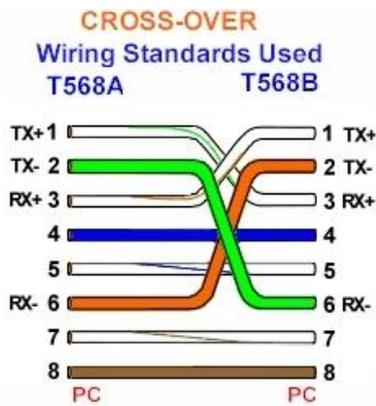
Ethernet Access Control Setting

References

1. Davide Maltoni, Dario Maio, Anil K. Jain, and Salil Prabhakar (editors), *Handbook of Fingerprint Recognition*, 2nd edition, Springer-Verlag, London, 2009.

2. Stan Z. Li and Anil K. Jain (editors), *Handbook of Face Recognition*, Springer, 2005.

3. Frank Y. Shih, *Image processing and pattern recognition : fundamentals and techniques*, IEEE & John Wiley & Sons, 2010.

Morakoze