BioStar

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BioStar is the name of Suprema's next generation access control system based on IP connectivity and biometric security. A biometric device installed at each door works not only as a reader but also as an intelligent controller on its own. Separate secure relay units can be installed inside a door to eliminate security breaches.

The meeting of biometrics and IP makes a perfect fit by leveraging the merits of each technology. Increasing biometrics cost can be compensated in BioStar by removing expensive control panels from the system and reducing wiring burden from a central panel to each reader. BioStar's IP based connectivity makes template distribution for biometric devices a no more difficult job.

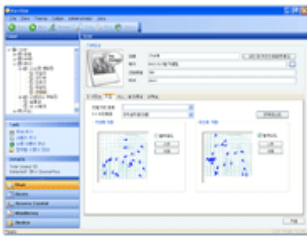Now, BioStar presents the future of access control systems.

Features | Product Type | Specifications | Configurations | Concept of BioStar | Applications

Features

• Simple and easy installation with less wiring
• Lower cost per door without conventional control panels
• Flexible and extendible IP based system structure
• Biometric security at the price of legacy systems
• Flexible zone management for anti-passback and alarm
• BioStar SDK for easy integration with third party systems
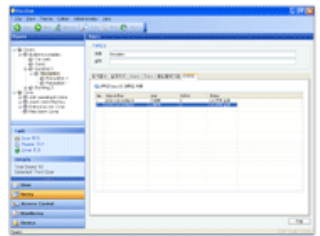
Product Type

• Fingerprint, RF Card, Finfgerprint + RF Card
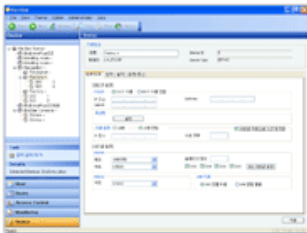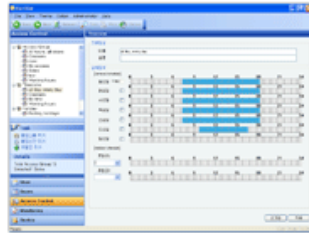• 125kHz EM Card
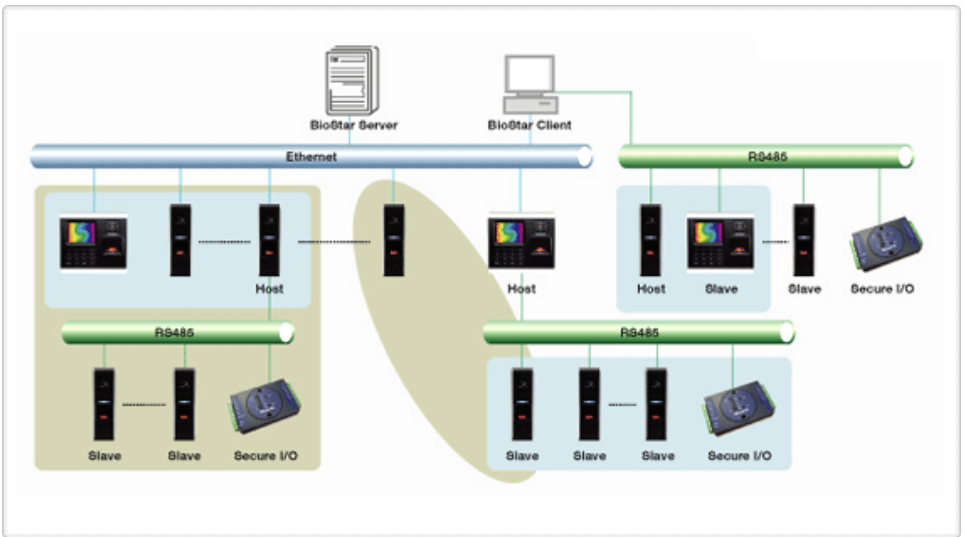
User

Door

Door Event

Reader

Timezone

Specifications

- Maximum 512 doors
- Maximum 512 devices
- Server-client based (32 clients accessible)
- Embedded web server for simple operations
- 128 time schedules
- 128 access groups
- 50,000/10,000 fingerprint templates per BioStation/BioEntry Plus
- 500,000/50,000 event logs per BioStation/BioEntry Plus

Zone	Maximum 32 doors per zone Anti-passback, entrance limitation Alarm zone Fire alarm zone
I/O	2 inputs and 1 relay output per BioStation and BioEntry Plus 4 inputs and 2 relay outputs per Secure I/O
Supported card types	Prox, HID Prox, Mifare
Network interface	TCP/IP, RS485
Database	MSDE(default), MS SQL, MySQL, (Oracle) DB conversion from BioAdmin
Supported Devices	BioStation BioEntry Plus Secure I/O

Compared to conventional access control systems, BioStar provides efficiency and stability by distributing intelligence to each door.
A number of devices networked by Ethernet or RS485 can be easily grouped together to coordinate a zone for anti-passback or alarm management.

Concept of BioStar

Conventional Centralized Access Control Systems

BioStar - Distributed Access Control System