Central Control Software

BVIM (Intelligent Manager of Bosch)
4th Generation Network Control System
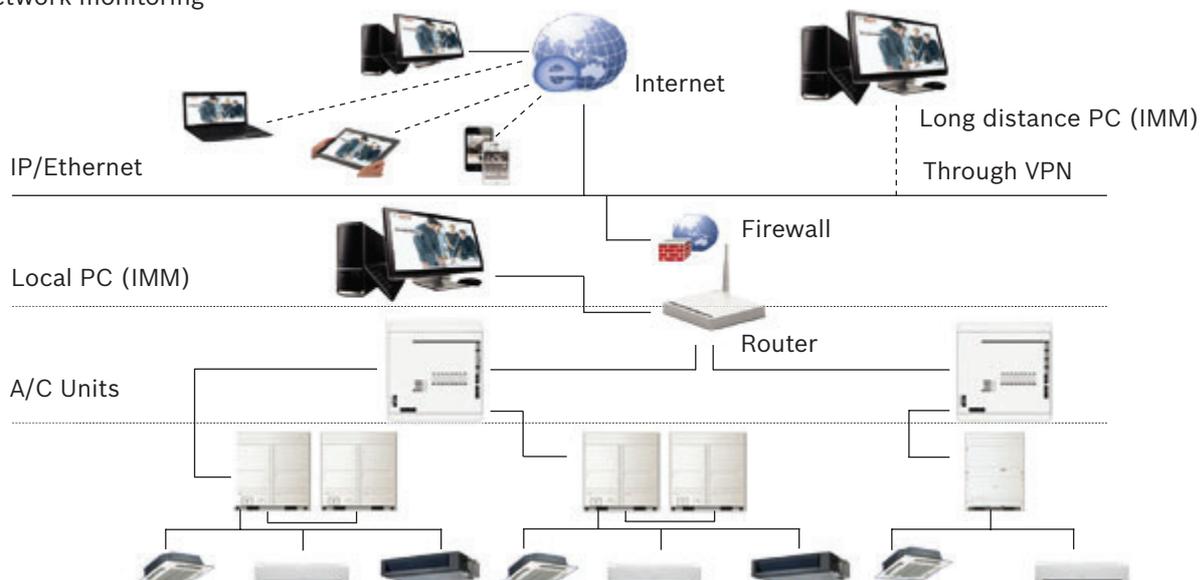
Functions

Intelligent Manager of Bosch, designed specifically to control VRF systems, is based on a centralized format and dedicated to the complete control and monitoring of all the system's functions. It can be used as a flexible multi-purpose system and applied to a variety of needs, according to the scale, purpose and control method of each building.

▶ Up to 4 interfaces, 64 refrigerant systems, 1,024 indoor units, and 256 outdoor units can be controlled by one PC.
▶ Web access
▶ User friendly operation
▶ Central building monitoring and control
▶ Energy saving management
▶ SMS modem (optional)

▶ Electricity charge distribution
▶ Schedule management
▶ Low-load operation indicator
▶ Generation of operational history reports (daily, weekly, monthly)
▶ Fault display & Warning message
▶ Air filter cleaning reminding function
▶ Emergency stop and Alarm signal output

Network Control Application

▶ Can run on Windows 7_32/64 bit, Windows XP_32 bit and Windows 8.
▶ Can monitor and control A/C anytime, anywhere by PC, iPhone, iPad and notebook computer.
▶ Supports WEB access: IE, Firefox, Safari and Chrome.
▶ Enables remote access through DSL, VPNs and so on.

Network monitoring

Internet

Long distance PC (IMM)

IP/Ethernet

Through VPN

Firewall

Local PC (IMM)

Router

A/C Units

Various Managements

Simple Operation and Management

Click & Operate, a user-friendly interface allows even non-experts to perform the building management system easily.

Data Management

Operational information of individual indoor units are monitored, allowing for distribution of power consumption at outdoor units. Stores operation data on multiple systems and displays it in graphical format for visual management. Uses BVIM software to generate tenant reports and help building owners bill for energy use.

Electricity Charge Distribution (Patented)

Provides information on proportional electrical power distribution to optimize electricity consumption management. Uses software to calculate electric power proportional distribution, output and save electricity consumption data for each indoor unit (or group) which is connected to the intelligent manager. Applies the patented Bosch Calculation Method to calculate consumption rates according to capacity demand which is based on various parameters: setting temperature, room temperature, running mode, rated HP, public areas, unused rooms, and nighttime use; outputs this information on a charge calculation sheet to evenly divide power consumption charges among tenants.

Highlights

Web Access function
With the web access function, a PC, laptop computer or a smartphone can be used as a remote controller.

Visual Navigation
Clicking the jump button will display a list of all available screens. Clicking the back button will return to the previous screen.

Schedule Control
Automatically performs facility start/stop control, switches the operating mode, sets temperatures and enables/disables the remote control according to the present time schedule. 4 sections and 20 actions per day for each single unit or group.

Data Backup
The interface will automatically back up data on the installed SD card (2 GB) in case system failure occurs, such as: power failure or system dam. BVIM software also stores the previous 3 months' operational data on the HDD.

Energy Saving Management
Based on a predetermined schedule, the Intelligent Manager executes capacity control and intermittent operations on all air conditioning units to maintain a high comfort index.

Multiple Languages
Provides seven language settings: English, Russian, French, German, Italian, Spanish, Simple Chinese

Warning Message
The system can receive error messages from air conditioning units in more than one buildings or structures via public phone lines.
*Requires the Bosch "SMS Modem" to send automatic warning messages to designated phone numbers.

Electricity Charge Distribution
Electricity charges can be easily divided when billing users for air conditioning power charges; for example, for tenants in a commercial building, offices in a rented building, or rooms in a hotel.