

When the revolutionary digital technology provides nature's coolness

Imagination *lives*





Manage the distribution of perfect air

CONTROL SYSTEMS

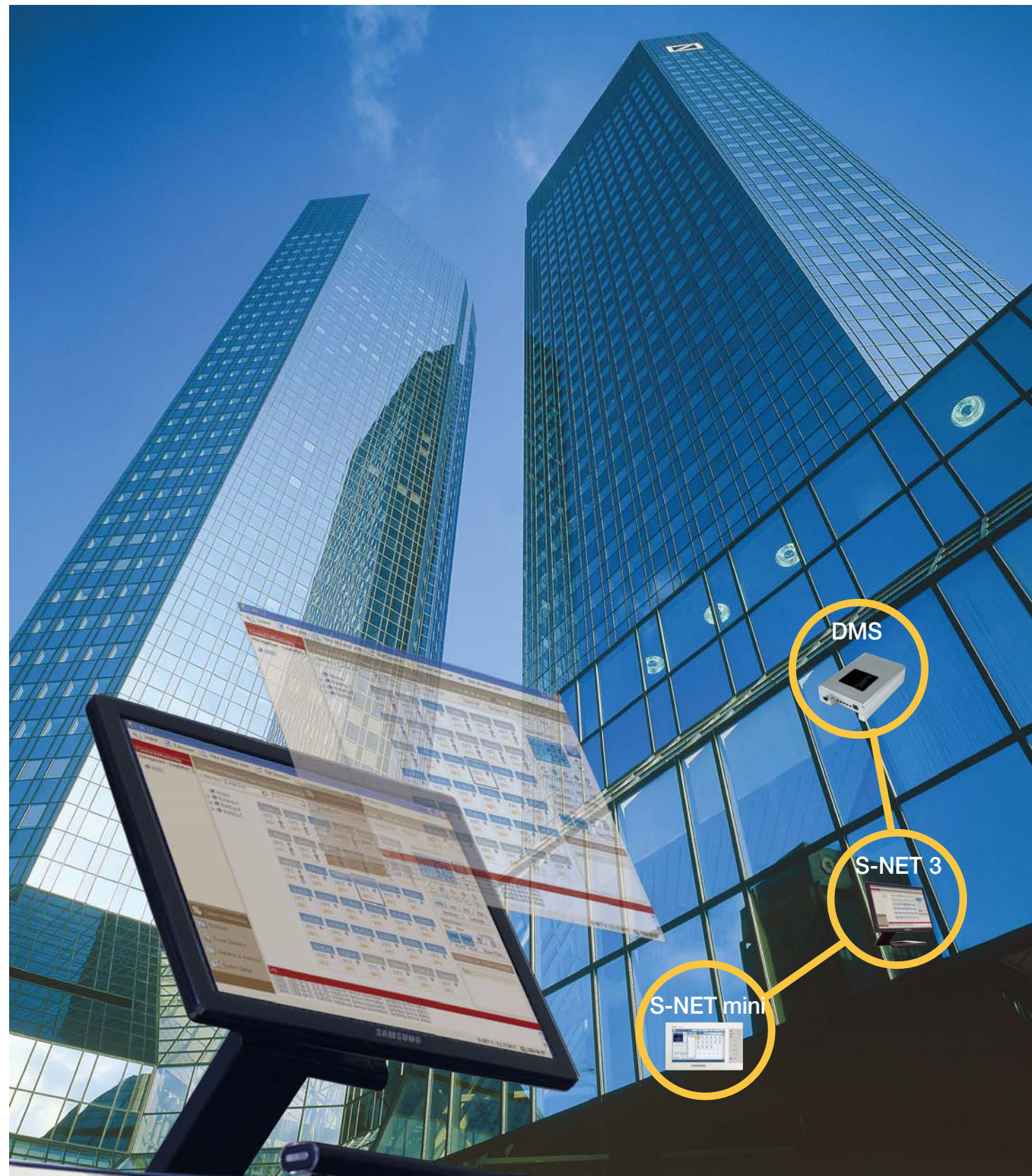
Samsung's convenient control systems have been improved one step forward for better usability and management. Practically you can control your air conditioner anywhere and anytime.

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4
CONTROL SYSTEMS

Integrated Management System

Integrated Management System is convenient for managing system air conditioners installed in small and middle-sized buildings. It can be managed through the Internet so you can control the air conditioners from anywhere.



DMS Data Management Server

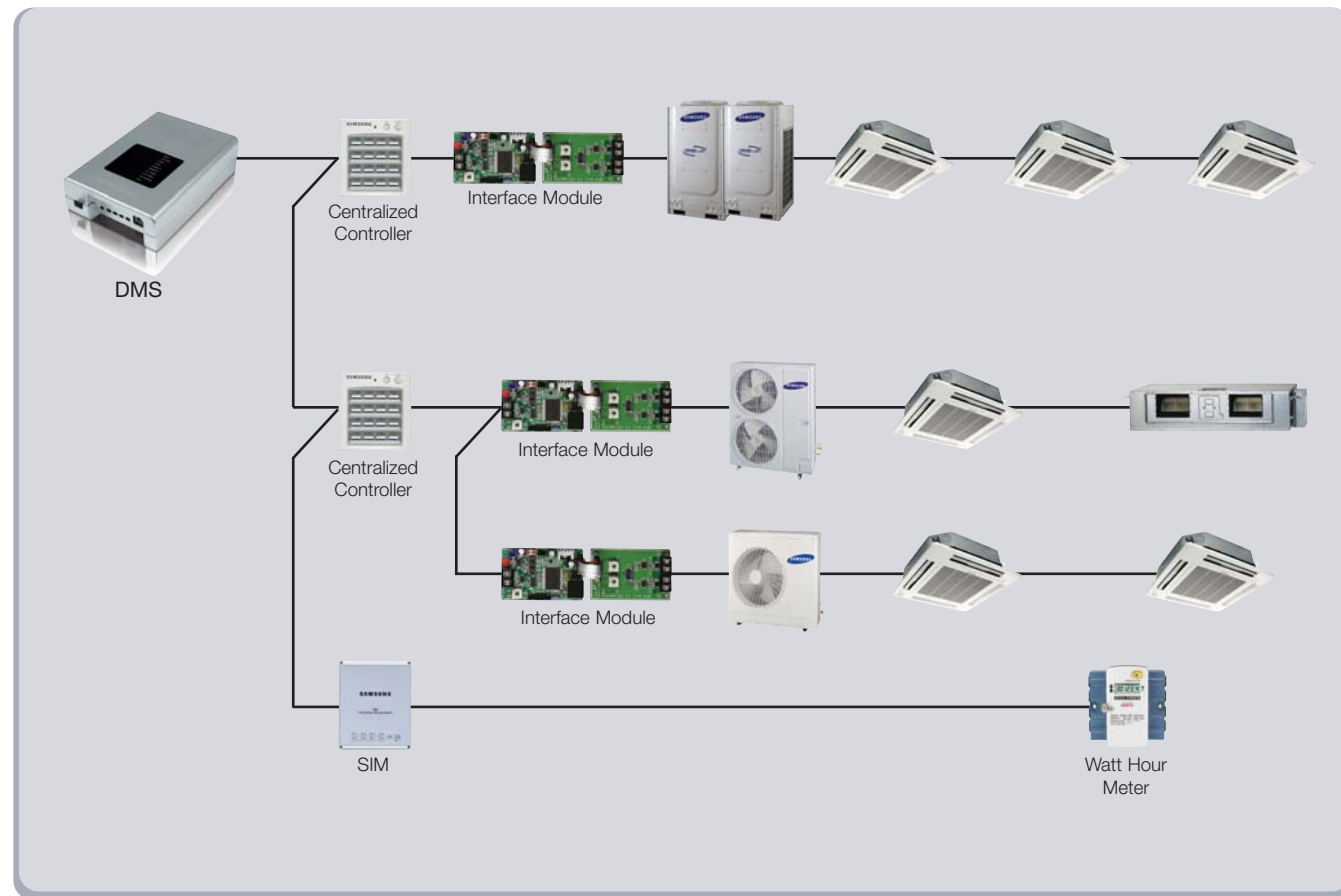
Web-based Data Management Server allows you to control indoor and outdoor units and manage other functions through the Internet as well.

MIM-D00

- Built-in web server for PC-independent management and remote access control
- Multiple upper-layer control access (S-NET 3, S-NET Mini, Web-client)
- Individual/Group control of up to 256 indoor units and heat exchange units
- Error history management
- Weekly/Daily schedule control
- Power distribution function
- 2 digital inputs, 2 digital outputs
- Current time management even during power failure (for 24 hours)
- Data storage in non-volatile memory
- Emergency stop function with simple contact interface
- Operation mode lock
- Temperature limit setting



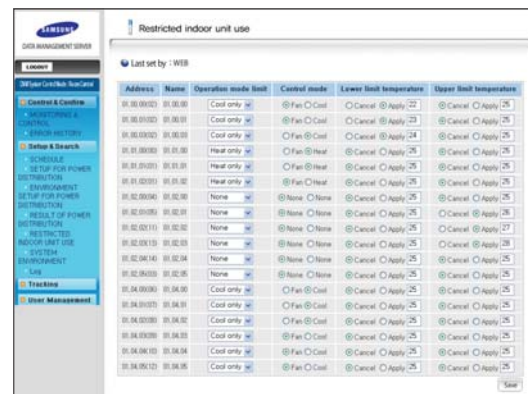
DMS System



Main Features

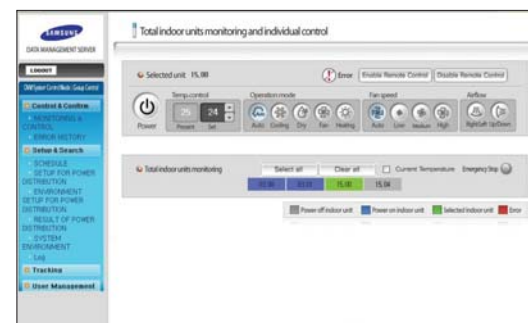
Enhanced central management

- Operation mode lock
- Temperature limit setting
- Wireless / wired remote control restriction



Easy Control & Monitoring

- Individual/Group control and monitoring of up to 256 indoor units.
- Operation mode, temperature setting, airflow direction and fan speed.
- Easy multiple/full indoor unit selection.
- Full room temperature display.
- Error history query based on date.



Web Server Function

- Built-in web server.
- Multiple upper-layer control access with prioritized management.
- Remote access control with the static IP address.



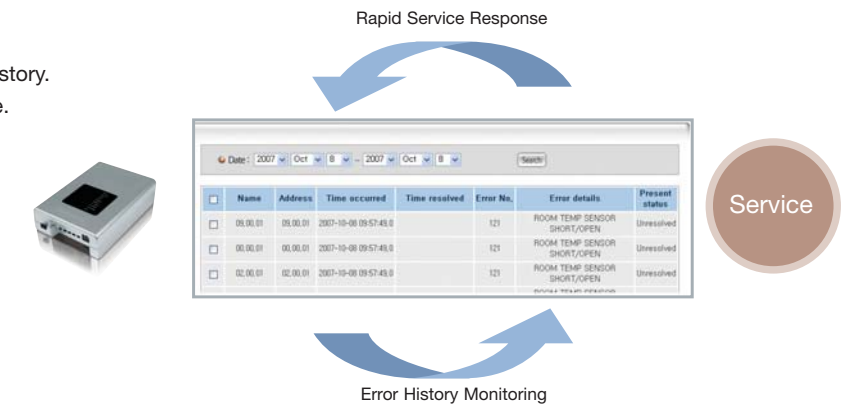
Schedule Control Function

- Up to 256 schedule settings.
- Weekly, Daily or 1-Day schedule control.
- Exception date setting.



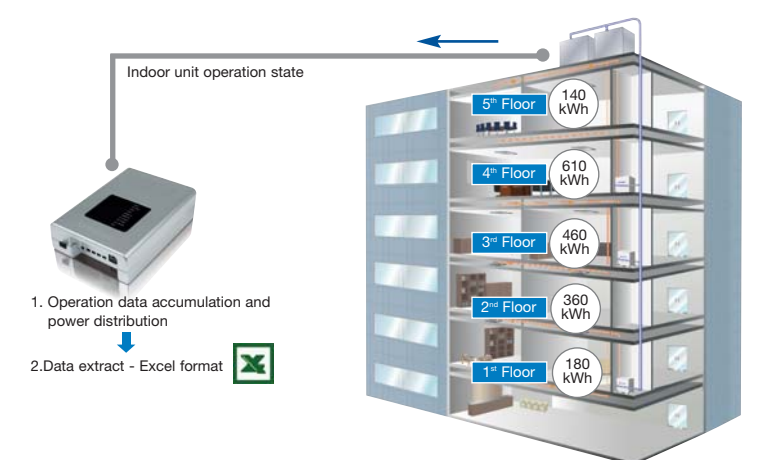
History Management

- Easy service and management with error history.
- Occurrence date, error details, current state.



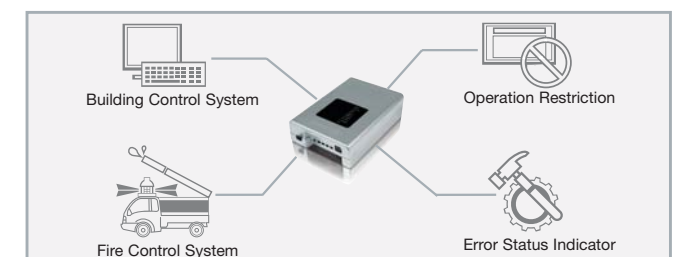
Power Distribution System

- Power distribution to up to 256 indoor units.
- Data query for watt-hour, use time and use ratio.
- File save in Microsoft Excel format.
- 93 days worth of power distribution data storage.



External Contact Interface

- Full indoor unit control with simple contact input. (Emergency/Lock)
- State output (Operation/Error) for synchronous control.



SmartNET Smart Net Control System

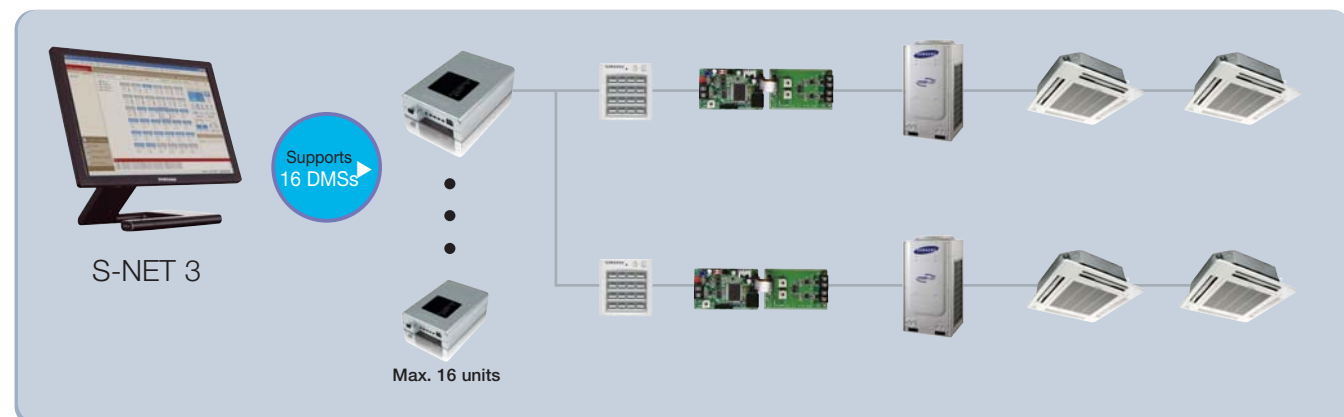
You can manage a group of buildings with S-NET3 through Data Management Servers that manage each of the buildings. S-NET3 provides flexible and complete control for a great variety of applications.



S-NET 3

- Fully integrated PC management software.
- Up to 16 DMSs connection through the Ethernet.
- Central management of up to 4,096 indoor/heat exchange units.
- Schedule/Zone control.
- Error/Operation history management.
- Power distribution management and analysis.
- Automatic update through the Internet.

S-NET 3 System



Main Features

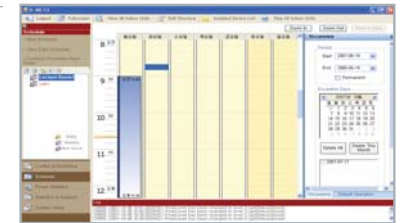
Control and Monitoring

- Control & monitoring of up to 4,096 indoor units
- Heat exchange unit management
- Wireless/wired remote control restriction
- Temperature limit setting
- Multiple/full indoor unit selection
- Icon-based indoor unit display mode



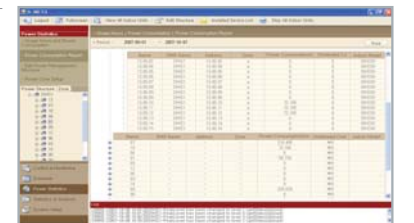
Schedule Control

- Graphical schedule settings
- Weekly, Daily schedule control
- Exception date setting



Zone Management

- Management structure customization regardless of installation structure
- Control zone creation/edition/deletion
- Tree structure zone management control



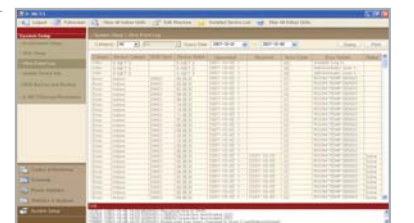
Power Distribution Management

- Data query for power distribution and operation time
- Power distribution report generation and print
- Time section setting for different electricity rates
- Group setting for power distribution summation



History Management

- Error/Event history management
- Indoor unit operation history management
- Report generation and print



Cycle monitoring

- Monitoring outdoor / indoor unit cycle data (Supported for specific outdoor unit models)



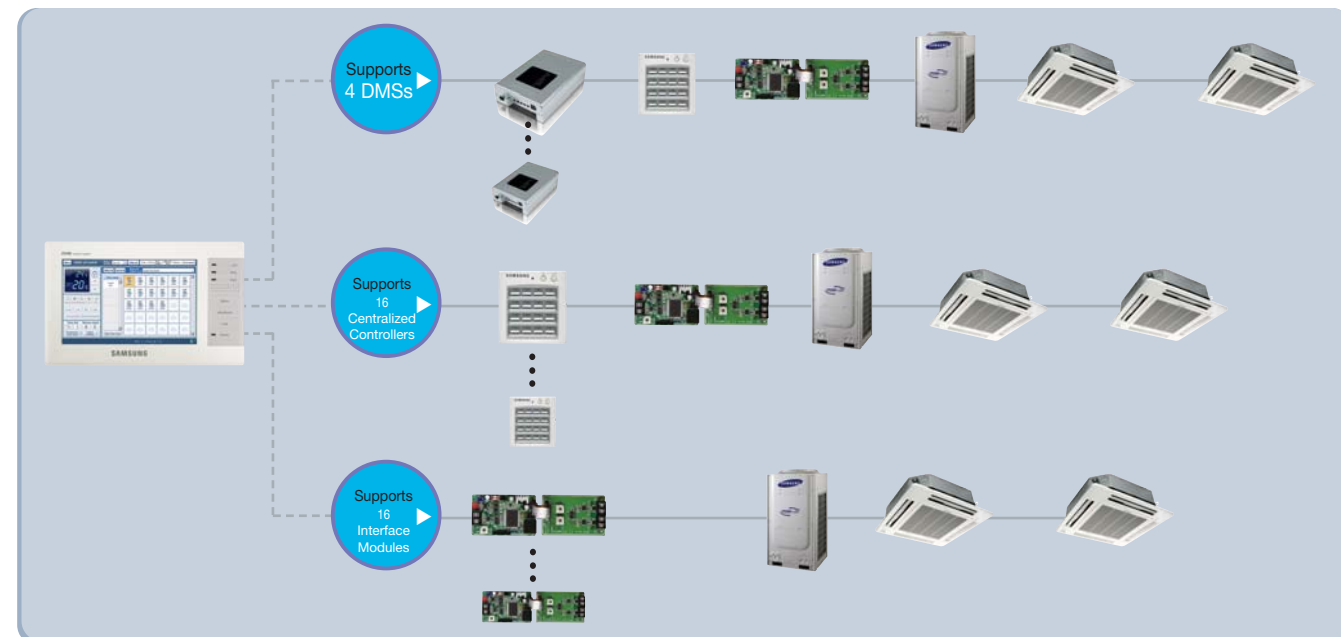
SmartNET Smart Net Control System

S-NET mini

- Dynamic compatibility options (DMS, centralized controller, interface module)
- Control and monitoring of up to 256 indoor units
- Detailed cycling information monitoring
- Schedule function (Weekly, Daily)
- USB keyboard support
- Error display
- 7-inch wide LCD display
- Temperature limit setting
- Touch screen
- Zone control
- Child-lock setting
- Operation mode lock
- External contact control



Dynamic Compatibility Option



Main Features

Control and monitoring

- Control & Monitoring of up to 256 indoor units/heat exchange units
- Operation control and monitoring
- Detailed operation cycling information monitoring
- Wireless/wired remote control restriction setting



Schedule Control

- Maximum 256 Weekly, Daily schedule control
- Schedule repetition, exception date setting
- Schedule edit (add, edit, delete)
- Detailed operation schedule setting
- Remote control restriction option setting



Zone Management

- Management structure customization regardless of installation structure
- Control zone creation/edit/delete



Temperature Limit Setting

- Upper/Lower temperature limit setting



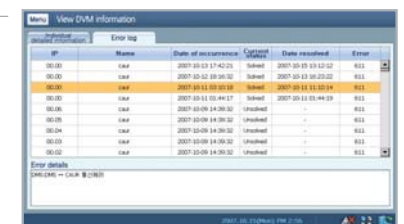
Cycle Monitoring

- Outdoor/Indoor unit cycling information monitoring (supported for specific outdoor unit models)



Error Management

- Error history management
- Error management information query
- Detailed error information query







Centralized Control System

Samsung's centralized control system can control and monitor up to 4,096 individual indoor units and 256 groups of indoor units simultaneously with great convenience and efficiency.



Function Icon

-  ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING
-  ERROR DISPLAY

-  INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)
-  FILTER REPLACEMENT ALARM RESET

Centralized Controller

MCM-A202A



- Maximum 16 group controls (Maximum 256 Indoor units)
- Unified/Individual indoor unit control (On/Off)
- Wireless/wired remote control restriction
- Cooling/Heating mode control
- Indoor unit error display

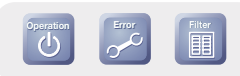
Function Controller

MCM-A100



- Control and monitoring of up to 16 indoor unit groups

To use Function Controller, it requires to be connected to MCM-A202A



Operation Mode Selection Switch

MCM-C200



- Operation mode selection (Cooling, Heating or Auto)
- Mixed operation mode protection

Interface Module

MIM-B13A



MIM-B04A



- Communicator between indoor/outdoor units and the centralized controller


Individual Control System

Ergonomic and innovative remote controllers feature better design, easy grip, large and soft buttons with easy-to-view displays.



Function Icon

 ON/OFF, OPERATION MODE, FAN SPEED, AIRFLOW, TEMPERATURE SETTING

 INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)

 ERROR DISPLAY

 FILTER REPLACEMENT ALARM RESET

Wireless Remote Controller

MR-CH01



- Simple schedule control
- Wide display
- Soft touch button



Wired Remote Controller

MWR-WE00 (Multi function)



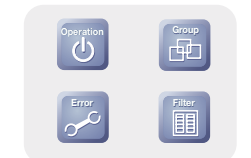
- Unified controller (A/C, ERV, A/C+ERV)
- Different button permission levels
- Weekly schedule setting (A/C, ERV, A/C+ERV)
- Exception date setting
- Built-in room temperature sensor
- Clear and bright screen with LCD backlight
- Wireless remote control restriction
- Automatic Stop mode
- Sleep and Silent mode
- Child lock

MWR-WS00 (Premium)



- Weekly schedule setting (Maximum 70 schedules)
- Exception date setting
- Built-in room temperature sensor
- Clear and bright screen with LCD backlight
- Temperature limit setting
- Wireless remote control restriction
- Automatic Stop mode
- Sleep and Silent mode
- Child lock

MWR-TH01



- Simple schedule control
- Wireless remote control restriction

Simplified wired remote controller

MWR-SH00



- Mode selection protection



ERV Wired remote controller

MWR-VH01



- Individual and group control (Maximum 16 ERVs)
- On/Off control
- Operation mode (By-Pass, Heat Exchange), fan speed
- Simple schedule control
- Error display
- Synchronous operation with indoor units

Wireless Signal Receiver (for Duct-type indoor unit)

MRK-A00



- ON/OFF control
- Operation indication
- Error Indication
- Filter replacement sign
- Use with receiver wire, MRW-10A

7-day Scheduler

MWR-BS00



- Up to 100 weekly and daily schedule settings
- Schedule setting based on 1-minute time units
- Digital clock display
- Permanent schedule setting storage
- Current time protection from blackout (maximum 3 days)
- Use with wired remote controller, or centralized controller. (MWR-TH01, MCM-A202A)

Building Management System

BMS (Building Management System) makes it possible to control and monitor the air conditioning network using the remote control and monitoring function. Optimum control with BMS-related interface modules keeps the air conditioning system efficient, saves energy, reduces maintenance costs and extends the life cycle of the units.



KeyTag Guest Room Management System

The Guest Room Management System is a smart way to save energy and money. When the Key Tag is in place, the air conditioner is activated. When the Key Tag is removed, the air conditioner switches off. Now you can avoid cooling an unoccupied room and save energy.



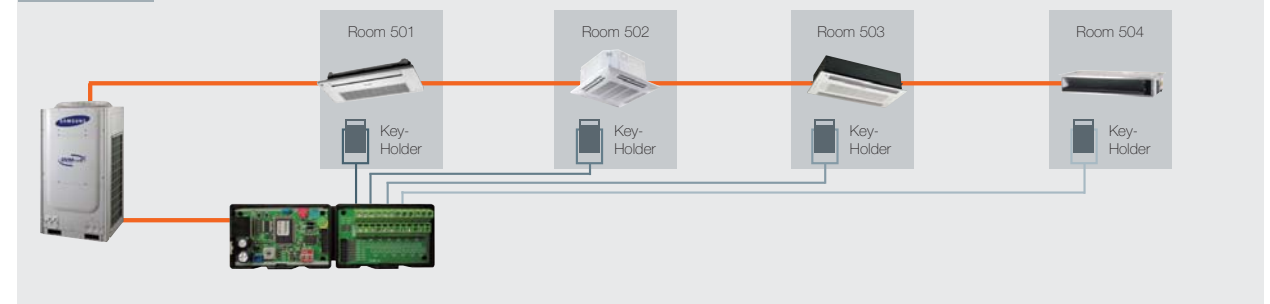
Key Tag Interface Module

MIM-B02

- Indoor unit control by external contact signals
- Individual/Group control of up to 16 indoor units
- Combinational use with sensor/timer/emergency inputs



Example



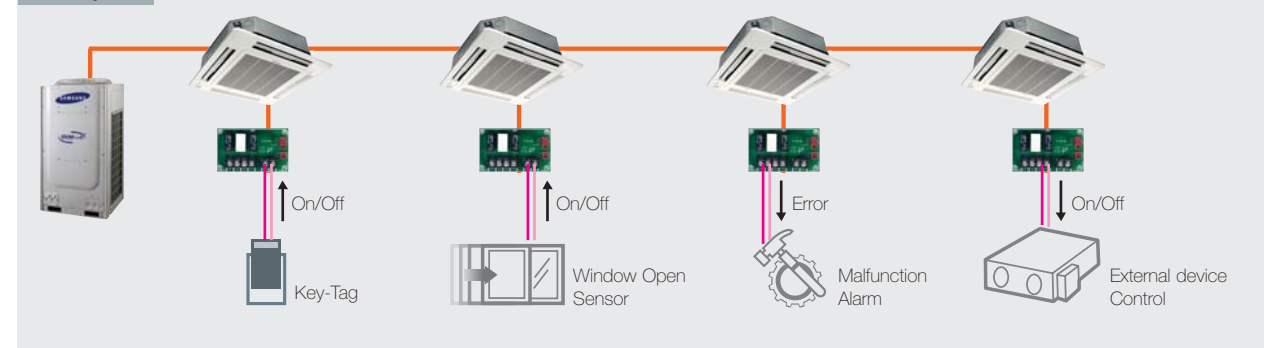
External Contact Interface Module

MIM-B14

- Direct indoor unit control by external contact signal
- Window-synchronized indoor unit control
- Emergency control with simple contact input
- Indoor unit operation/error state output through relay contacts



Example



(Wall mounted type indoor unit : Only EEV including model supports state output function)

Lonworks Lonworks

MIM-B07

- Interface for Lon-Connection to Lonworks management system
- Quick and easy installation
- Up to 12 indoor units can be controlled
- Communication : RS485 to Lonworks
- Upper physical layer : FTT-10A



BMS Control Function

- On/Off control
- Temperature setting
- Operation mode
- Fan speed

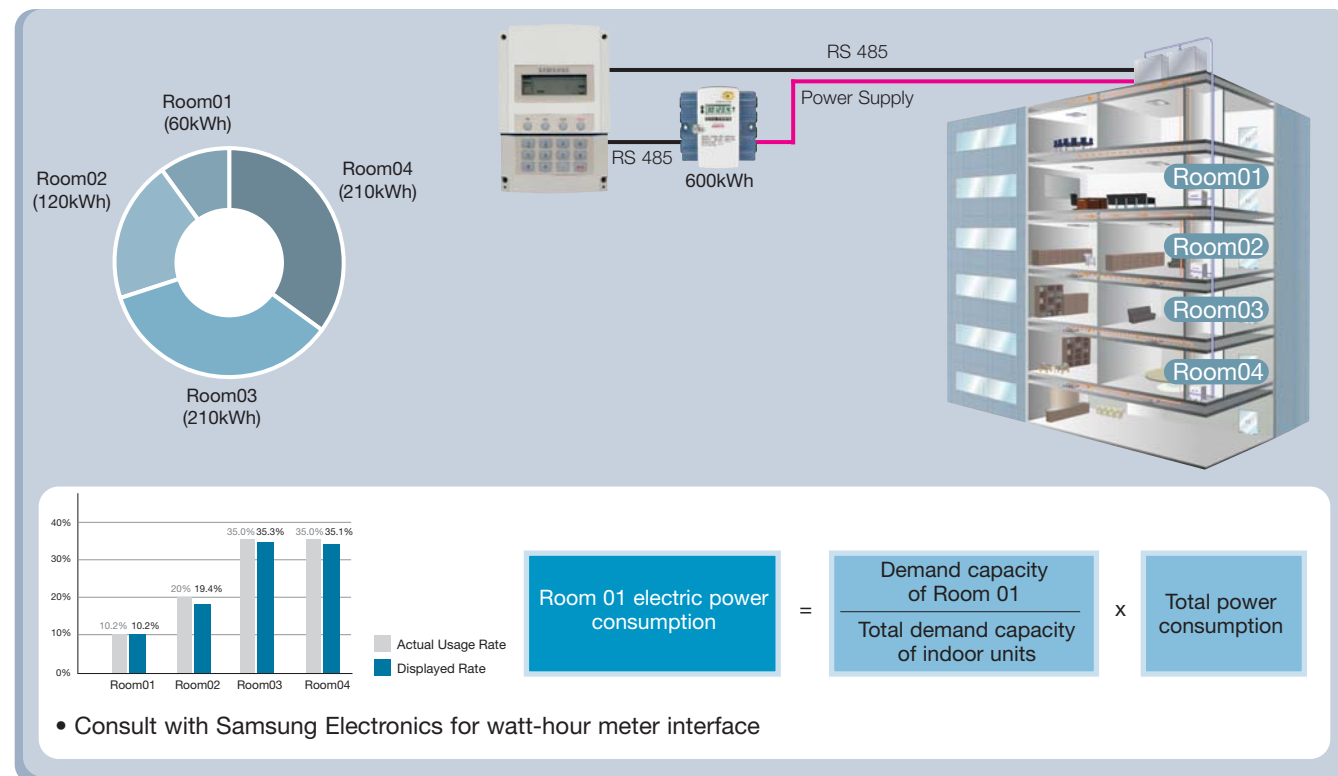
Monitoring Function

- On/Off
- Operation mode
- Room temperature
- Error information

Power Distribution Unit

MCM-B102

- Real-time power distribution for one indoor/outdoor system.
- Power distribution to maximum 48 indoor units.
- Communication error display.
- Total system power consumption display.
- Power consumption display of individual indoor units.
- Data storage even during a power failure.



Watt-hour meter Interface Module

MIM-B12

- Exclusive use for DMS power distribution.
- Connection with up to 8 watt-hour meters.
- RS485 interface with watt-hour meters.
- Power consumption display for each watt-hour meter.
- Automatic detection of specified watt-hour meters.



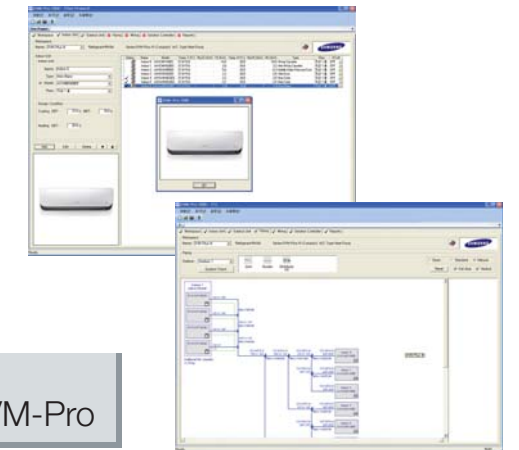
DVM - Pro (DVM, FJM, CAC Equipment Selection Software)

DVM-Pro consists of two kinds of software called DVM-Pro Sales and CAD mode.



DVM-Pro Sales mode

- **Workspace:** Creation 'Project' & 'Workspace (DVM, FJM, CAC)'
- **Indoor Unit:** Indoor unit and accessory selection
- **Outdoor Unit:** Automatic selection and capacity simulation
- **Piping:** Basic, standard or manual selection with system check
- **Wiring:** Automatic diagram with communication wiring of indoor/outdoor/control units and electric power meters
- **Control system:** Automatic control unit selection
- **Report:** Specifications, diagrams and quotation

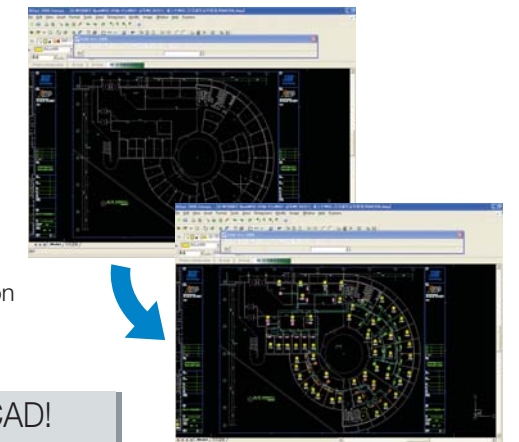


Download!

www.dvmsystem.com → Download Center → DVM-Pro







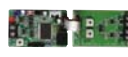












DVM-Pro CAD mode

- Quick, easy, precise design
- Compatibility with AutoCAD
- **Automatic calculation:** Refrigerant & drain pipe size
- **Automatic selection:** Refnet joint, header & distributor kit
- **System check:** Installation regulation & refrigerant addition
- **Simulation:** System capacities
- **Easy control system selection**
- **Automatic report:** Piping installation diagram, equipment list & quotation



Contact to Samsung HQ or Distributors for DVM-Pro CAD!

Accessories

Classification	Product	Model	Image	Application Model
Integrated Management System	Controller	DMS	MIM-D00	 DVM Series, FJM, CAC, ERV
		S-NET 3	MST-P3P	 DVM Series, FJM, CAC, ERV
		S-NET mini	MST-S3W	 DVM Series, FJM, CAC
	Interface Module	SIM	MIM-B12	 DVM Series, FJM
Centralized Control System	Controller	Centralized Controller	MCM-A202A	 DVM Series, FJM, CAC, ERV
		Function Controller	MCM-A100	 DVM Series, FJM, CAC
		Operation Mode Selection Switch	MCM-C200	 DVM Series
	Interface Module	Centralized Control Interface Module	MIM-B13A	 Mini DVM(R410A), DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR, FJM, ERV
			MIM-B04A	 DVM, DVM PLUS, DVM HR, CAC
Individual Control System	Controller	Wireless Remote Controller	MR-CH01	 Cassette, Ceiling, Duct (Receiver needed), Console (Included)
		Wired Remote Controller (Multi Function)	MWR-WE00	 Cassette, Wall Mounted, Ceiling, Duct, Console
		Wired Remote Controller (Premium)	MWR-WS00	 Cassette, Wall Mounted, Ceiling, Duct, Console
		Wired Remote Controller	MWR-TH01	 Cassette, Wall Mounted, Ceiling, Duct, Console
		Simplified Wired Remote Controller	MWR-SH00	 Cassette, Wall Mounted, Ceiling, Duct, Console
		ERV Wired Remote Controller	MWR-VH01	 ERV
		Wireless Signal Receiver Kit	Wireless Signal Receiver	MRK-A00
		Receiver Wire	MRW-10A	 Duct (For Wireless Remote Controller)
		7-day Scheduler	MWR-BS00	 Cassette, Wall Mounted, Ceiling, Duct
Building Management System	Lonworks Interface Module	MIM-B07	 DVM Series, FJM	
	Key-tag Interface Module	MIM-B02	 DVM Series, FJM	
Guest Room Management System	External Contact Interface Module	MIM-B14	 CAC, Mini DVM(R410A), DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR, FJM(Non MH***FKEA)	
Power Distribution	Power Distribution Unit	MCM-B102	 DVM Series, FJM	

DVM Series : Mini DVM, DVM, DVM PLUS, DVM HR, DVM PLUS II, DVM PLUS II HR, DVM PLUS III, DVM PLUS III HR

Icon Index

Wall-mounted Type Icon



Auto Roof Shutter
Air conditioner automatically seals off to prevent dirt infiltration.



MPI (Micro Plasma Ion)
MPI generates Hydrogen atoms and Oxygen ions to create healthier air.



DNA Filter
The DNA structure possesses qualities in absorbing and eliminating microscopic carcinogenic agents.



Good'sleep II
Control the air temperature during your sleep to enjoy a comfortable sleep and refreshed wake up.

Cassette Type Icon



WIDE BLADE
Wider blades provide more even cooling power.



CEILING SOILING PREVENTION
Newly designed panel prevents ceiling contamination.



FRESH AIR INTAKE
Optional air intake motor brings in fresh air from outside.



HIGH LIFT-UP DRAIN PUMP
Lift-up condensed water up to 750mm higher than any other competitor.



QUICK CONNECTION OF DRAIN PIPE
Unique drain pipe connection is easy to install.



SUB DUCT
The Sub Duct makes it easy to provide air conditioning to a nearby smaller space.

Duct Type Icon



ANTI-BACTERIA FILTER
Anti-bacteria Filter traps dust particles and suppresses proliferation of molds and bacteria.



EASY FILTER CLEANING
Filter cleaning indicator will let you know when the filter needs to be cleaned.



HIGH LIFT-UP DRAIN PUMP
Lift-up condensed water up to 750mm higher than any other competitor.



SMART PRESSURE CONTROL
Adjusts fan speed to provide constant cooling and heating performance.



WIRED REMOTE CONTROLLER
Default wired remote controller is provided.

Floor & Convertible Type Icon



INTERIOR DESIGN
The clean, modern design complements any decor.



ANTI-BACTERIA FILTER
Anti-bacteria Filter traps dust particles and suppresses proliferation of molds and bacteria.



LIGHT WEIGHT UNIT
Extremely lightweight, so maintenance and installation is easy.



AUTO CHANGEOVER
Automatically changes operation mode according to temperature setting.



FLEXIBLE PIPE INSTALLATION
The pipe can be installed in 6 different places for more placement options.



SILENT MODE
Indoor and outdoor unit operates silently.



WIRELESS REMOTE CONTROLLER
Default wireless remote controller is provided.

Control Systems Icon



ON/OFF, OPERATION MODE, FAN SPEED, AIR FLOW, TEMPERATURE SETTING



INDIVIDUAL AND GROUP CONTROL (MAXIMUM 16 INDOOR UNITS)



ERROR DISPLAY



FILTER REPLACEMENT ALARM RESET

Imagination *lives*

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